AUTO CALL

FOUNDATION FOR AMATEUR RADIO

FAR

NOVEMBER

Scholarship Issue

Photos and Reviews of 33 Award Winners of the Foundation Scholarships

See Pages 28 - 36

Other Features:

FCC Highlights ⊙ ARRL Report
Public Service Report ⊙ VE Exam Schedule
Feature Articles ⊙ Club Reports ⊙ Want Ads

Auto-Call is the Official Journal of the Foundation For Amateur Radio

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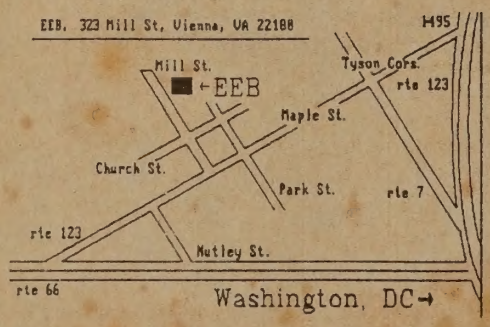

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- Shenandoah Valley Chapter #137
- Vic Clark Chapter #91
- Washington Chapter #23

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Stafford Amateur Radio Assn
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Vienna Wireless Society
Washington Adventist Amateur Radio Association
Washington Area Young Ladies' Amateur Radio Club
Washington Radio Club
Woodbridge Wireless, Inc.

EDITORIAL

President's Corner

By Phil Russo - N3GDD

President, Foundation for Amateur Radio

A few weeks ago I got a call from someone from the Columbia club with a good idea. I've been waiting for a letter to expound on this a little more. However, I'll have to jump the gun a little in order to get into this month's issue. The idea is not only valid and workable, but just possibly the spark to point us in the direction we've been looking for. So here it is...

There are many of the clubs on the mast head that do a great deal on behalf of the Foundation. Unfortunately, there are probably just as many, if not more, that for one reason or another can not participate in as public a manner as others or as often. And then there are those who look at the dark side more often than not and their standard answer to an invitation to participate is, "what has the Foundation done for me (us)?" Well, starting with the January 1991 issue, we will publish a list of contact people for the clubs. The clubs that have sent us organizational information updates in the last year will be listed semi-annually so that any new hams in their area may know how to contact them and how to join their organizations.

After many attempts in the last 18 months to gather this type of information, this is probably the best idea yet. I hope all of our readers will see the potential that this could mean to each of our respective clubs. For the most part our clubs fall in the Baltimore-Washington corridor, a highly transient area at best. Now let your mind ponder that thought for a second. Does that tickle anyone's creativity??

As with any new idea, we can only hope that the semi-annual list will grow longer as more of our member clubs want to be represented on the "WHO DO YOU CALL?" list.

Thanks to the folks up in Columbia for the idea, I didn't mean to steal your thunder, but it's a good idea and someone had to say so.

Phil, N3GDD
(301) 552-2918

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Coming Events

1990

Nov. 3–5	ARRL CW Sweepstakes
Nov. 11	Shore Area Ham & Computer Fest, Allaire Airport, Wall Township, NJ For more information contact Al Jackson, NK2O PO Box 635, Eatontown, NJ 07724 Phone (201) 922-8121
Nov. 17–19	ARRL SSB Sweepstakes
Nov. 14	Mason-Dixon Computer and Hamfest, Westminister, MD
Dec. 1 - 2	Special Event operation celebrating the 50th anniversary of the first transmission of voice signals over radio. SMARC station KF3T will be operating from the historic site at Cobb Island, Maryland. See details in SMARC column on page 47.

1991

Feb 24	Vienna Winterfest
Apr 6 - 7	Greater Baltimore Hamboree & Computerfest
Apr 21	Marconi Day
Jul 28	BRATS Maryland Hamfest

Please keep Auto-Call advised of important Coming Events.
We are anxious to provide our readers with timely information
and to help you avoid possible conflicts when scheduling activities.

Foundation Meetings

The Foundation for Amateur Radio meets at 8:00 p.m. on the
second Wednesday of each month.
Visitors are always welcome
Membership is open to any Amateur Radio organization in the local area.

Phone (301) 725-5822 for informtion

The next meeting will be on November 14 in Alexandria, Virginia
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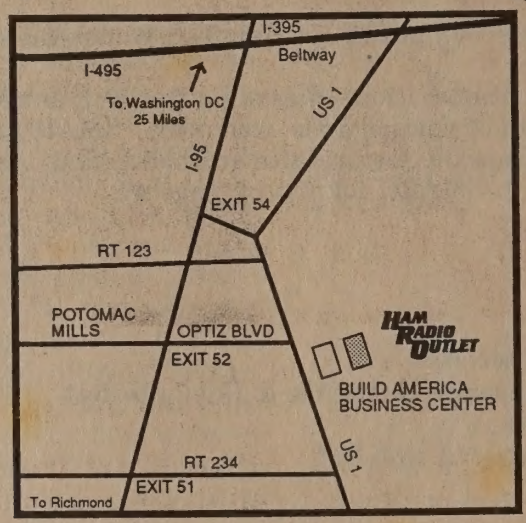

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Seven Year Old Technician!

Luke Ward - KC4TFL
Now awaiting Technician Callsign

Would you believe we now have a 7 year old Technician? Well, that is what Luke Ward accomplished on 6 October. According to ARRL there are only two other 7 year old Technicians in the country - and no one that young with a license of higher class. That makes Luke a pretty unique individual. The Mt. Vernon club (where Luke and his father are members) is really celebrating. (See the Mt. Vernon ARC report on page 38.)

Luke and his father, Keith, passed their Novice exams on August 24 and obtained their calls KC4TFL and KC4TAN, respectively. On October 6th they were both back at the examining session and both passed their Technician class. Luke now says he thinks he'll be ready to try for General in a couple of months!

Luke says the hardest part was the Morse code - the theory was easy. Take heart, Folks, Luke was technically inclined before he got interested in amateur radio. His father says Luke has been "using" computers since 1985! He says his favorite programming language is BASIC. Luke's Amateur Radio teacher is his father, Keith (now KC4TAN, formerly KN5YFP). Luke and Keith have a Heathkit SB301 receiver but (so far) no transceiver. When they get a transmitter, Luke thinks he will use CW in preference to phone. His favorite bands are 19-Meters and 80-Meters, and DX is what he likes best. Luke is in 3rd grade at Springfield Estates and his favorite subject is math.

Virginia STM Geri Sweeney - N4GHI gave Luke and Keith their Novice exams; they went to the University of Maryland for the Technician exams. Yes, they requested new call signs!

Marci - KM4VM

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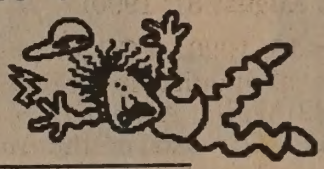

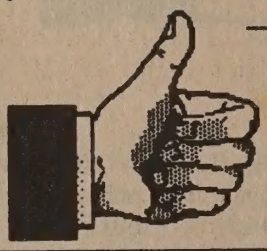

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FCC HIGHLIGHTS

by Bill Grenfell W4GF

"As tensions have risen in the middle east, some hams here in the United States have begun to wonder if they might lose their operating privileges should war break out. "It now appears that the likelihood of amateurs being ordered off the air if the United States goes to war in the Persian Gulf is small. "This is because amateur stations in the U.S. don't constitute a threat of interference in the likely theater of military operations... "The trigger is a proclamation of "War Emergency Powers," not a formal declaration of war. The President alone has the authority to invoke these powers. (Westlink Report, August 31, 1990).

On September 19, 1990, FCC adopted its second Notice of Inquiry in preparation for the 1992 World Administrative Radio Conference. The text of the 150 page NOI (In General Docket 80-554) has not yet been released, but it is said to contain specific recommended U.S. proposals for WARC-92. Responding to the Second NOI will be the best opportunity for the general public to express its views on WARC-92 matters, but the time for comments will be very short. (The ARRL Letter, Sept 21, 1990).

The ARRL has again asked the FCC to take action on intentional intruders to our HF bands. Cited this time are a pair of Soviet stations clobbering part of 20 meters along with five other intruders on 17 meters coming from Argentina, China, and the Sudan. (Westlink Report, August 31, 1990).

Our FCC has formally asked the Soviet Ministry of Post and Telecommunications to solve an interference problem on the 20 and 17 meter ham bands. In its message to Moscow, the Commission requested assistance in removing the interference on 14.024 and 18.125 MHz. Stations signing the callsigns URS and RKA are accused of the QRM. The international assistance request came after numerous reports were received from concerned amateurs nationwide. (Westlink Report, August 31, 1990).

On August 27, FCC issued three Notices of Apparent Liability to Monetary Forfeiture to radio amateurs involved in confrontations on 20 meters. Richard K. Eastman, N5FX, Herbert Schoenbohm, KV4FZ, and William Terrill, K2BFI. Eastman and Schoenbohm were cited for operations on July 16, Terrill for FCC observations on August 17. All were told "You appear to be in willful violation of Section 97.101 (d) of FCC Rules and Regulations, in that you operated your amateur radio station in a manner that resulted in willful interference to radio communications of other amateur stations." The notices are for apparent liability to a monetary forfeiture of $1000. The three have 30 days to respond to the letters. (The ARRL Letter, Sept. 7, 1990).

In addition to those listed in the forgoing paragraph, FCC issued a Notice of Violation to Glenn Baxter, K1MAN, for violating Section 97.115(a)(2) for his alleged handling of an illegal third party phone patch between his station and a UB5 amateur station in the Soviet Union and, Section 97.119(a), not identifying every ten minutes. "Engineers from the Kingsville, Texas, facility issued Notices of Violation to William E. Pike, NØDCP, of Ferguson, Missouri, and to Harold D. Case, Jr., WD4PZT of Orlando, Florida, both citing violation of rules against willful interference (97.101(d))." (W5YI Report, 09/15/90

Ordered to pay a $2000 fine for malicious interference is Joseph Smith, Jr., (WA4RNP), of Bessemer, Alabama. Smith was accused of maliciously interfering with transmissions on a 440 MHz repeater in nearby Birmingham. "A Notice of Apparent Liability to a Monetary Forfeiture" was issued on August 3rd by FCC's Field Operations Bureau office in Atlanta. "In his answer o the citation mailed to him earlier this year, Smith admitted that he had been the source of the interfering signal. "He claimed that the incident was accidental and that it occurred due to his oversight

in not monitoring a channel on which he was trying to control a remote base..."

"Having exhausted its lobbying, filing, commenting and reconsideration efforts for the most part, the ARRL now looks to the U.S. Court of Appeals to roll back the reallocation of 220–222 MHz to private land mobile radio services for "narrowband" (kHz) usage. The FCC gave Amateur Radio exclusive use of 222–225 MHz. But the ham community generally reviled the reallocation of the lower part of the band because other spectrum is available for land mobile; because the benefits of narrowband technology may have been overblown; and because of troubling questions in the FCC's analysis, among other issues. Oral arguments before the court are scheduled for November 16 in Washington." Much of the dispute between the FCC and ARRL pertains to the FCC's belief that usage of 220–222 MHz is light." Taking the ARRL Repeater Directory as its guide, the Commission apparently assumed that the main use of 220–222 MHz was for repeaters and, finding few in that band, decided that the band was little used. "ARRL pointed out instead that a key use of 220–222 MHz is for high-speed intercity packet links which would not show up in the Directory. The League conducted a 48 hour survey of the band, identifying 773 fixed amateur stations and 1,1106 weak signal stations, not including "many hundreds" of packet stations."

(For further information, see the September 15, 1990 issue of the W5YI Report, pages 9 and 19).

The period for reply comments in PR Docket 90-55 closed on September 7. The FCC staff now must study the comments to determine the consensus of amateurs toward a Communicator Class no-code license. "Most comments seem to support adoption of a no-code license though not necessarily the one promoted by the FCC and/or the ARRL. "Virtually no one wants to see the Novice and Technician class licenses deleted. "It's still an open question, however, whether the FCC will be able to pay for all the applications processing in the service if these two license classes are not discontinued. "Most commenters who mentioned band privileges object to limiting Communicators to frequencies above 222 MHz." (The W5YI Report, October 1, 1900).

END-OF-MONTH LICENSE TOTALS

	JUN 1990	JUL 1990
EXTRA	48,624	52,440
ADVANCED	98,615	104,041
GENERAL	113,329	118,846
TECHNICIAN	110,790	123,943
NOVICE	80,620	91,232
	451,878	490,502

Gf

Late News

Effective October 1, Canadian Radio Amateurs found their license structure revamped and all HF mode sub-bands eliminated. The Department of Communications now will issue a single Amateur certificate, with up to four levels of qualification: Basic, Morse code 5 wpm, Morse code 12 wpm, and Advanced.

Holders of "old" Amateur or Advanced Amateur certificates are grandfathered to the new Amateur Operator's Certificate with all four levels of qualification. Digital Certificate holders are deemed to hold the new AO Certificate with the Basic and Advanced Qualification. More information appears in the October issue of QST *Canada*.

Concurrent with the licensing changes, DOC also eliminates subbands. Effective immediately, any mode may be used in any band, with these bandwidth restrictions: 160 - 12 meters (except 30 meters): 6 kHz; 30 meters: 1 kHz; 10 meters: 20 kHz; 6 and 2 meters: 30 kHz; 220 MHz: 100 kHz; 430 and 902 MHz bands: 12 MHz; all other Amateur bands are not specified. (ARRL Letter October 5)

American Radio Relay League Report

By John Swafford -- W4HU

This ARRL Report provides a brief summary of information published in the ARRL LETTER and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.

HAM ASTRONAUTS REGALE LEAGUE CONVENTION. Shuttle astronaut Ken Cameron, KB5AWP, told an upbeat ARRL Southwestern Division convention banquet crowd on August 25 that he likes the "let's fix it approach" of Amateur Radio operators. Cameron, who is scheduled to fly next March, likened the Shuttle Amateur Radio Experiment (SAREX) to a "grand DXpedition."

Astronaut Ron Parise, WA4SIR, in quarantine that weekend for STS-35, addressed the convention banquet by telephone, noting the efforts of thousands of volunteers -- Johnson Space Center Amateur Radio Club members, AMSAT members, the Amateur Radio industry, individual Amateurs, teachers, parents, NASA facilities, and the ARRL Educational Activities Department.

Unfortunately, Shuttle STS-35 was postponed again, due to a broken "black box, and at press time STS-35 had been rescheduled for sometime in November.

Cameron, who will fly on STS-37 (also a SAREX mission), entertained the convention crowd with NASA slides, comparing rolling out the shuttle gantry to erecting a ham tower.

While STS-37 will be a shorter mission than the upcoming STS-35, plenty of hamming is planned. Cameron upgraded to Advanced Class at the San Diego convention, and STS-37 also has three other Amateurs aboard: Flight Commander Steve Nagel, N5RAW; and mission specialists Linda Godwin, N5RAX, and Jay Apt, N5QWL.

Cameron and the ARRL are cooperating in the development of lesson plans, in hopes of teaching NASA's "Lessons in Space" program on Amateur Radio topics during the March mission.

More than 850 schools, teachers, and parents have requested ARRL's Shuttle Amateur Radio Experiment (SAREX) school packets.

WA4SIR hopes to complete another first during STS-35 this month - a QSO with the Soviet cosmonauts aboard the MiR spacecraft. This would be one of the mission's first activities after launch, when the best windows occur between the orbiters.

A TALE OF TWO MAGAZINES. Two new publications are emerging in the wake of the demise of Ham Radio magazine earlier this summer. Communications Quarterly, to be published by CQ and edited by former Ham Radio staff, will debut in November. Meanwhile, the first issue of Beam magazine already has been published and sent free to some 20,000 licensed Amateurs.

GUS BROWNING, W4BPD, SK. Gus Browning, W4BPD, a member of the CQ DX Hall of Fame and one of the most prolific of DXers, died August 21 in South Carolina, after a long illness. He was 82.

Gus hit the DXpedition trail in the mid-1950s, the ever present (warm) Coca-Cola in hand. His heaviest travel lasted until the early '60s. He went out again in the mid-'60s, to reactivate some of his earlier conquests for a whole new crop of DXers.

"Gus always kept his cool," says friend Stu Meyer, W2GHK, "no matter how wild the pileups got." Meyer remembers Gus as a great operator as well as a technician able to repair his radios in the most remote of spots. W4BPD taught himself to write with his left hand, so he could operate two-handed on CW.

Browning operated a radio-television repair business and a print shop. He printed QSL cards and for years edited and published The DXers Magazine.

GROUP'S GOAL IS AMATEUR RADIO AT THE OLYMPICS. Amateur Radio will be an Olympic Games event if an ambitious proposal by a small group of hams becomes reality. Spurred on by the success of the World Radio Sport Team Championship (Oct QST, Pg 43), a plan to form a World Radio Sport Federation has been announced by an international group of Amateurs.

The WRSF is targeting the 1996 Summer Olympics, which will be held in Atlanta, GA.

The International Olympic Committee has four main ground rules which a sport must meet to be considered for the Games:

* The sport must be actively practiced in 50 countries by men and by women in 35 countries;
* There must be a sanctioning organization acceptable to the IOC;
* Periodic regional events must take place between Olympic Games;
* There should be a mechanism to establish a world championship.

The WRSF would meet these criteria by establishing an international consortium of radio societies, local radio clubs, individuals, and corporate supporters. But beyond the immediate goal of the Olympics, the Federation would seek the general betterment of Amateur Radio around the world.

In their Proposal for Discussion, the organizers note Amateur Radio's recognized value as a pool of trained operators able to provide a variety of communications services. They cite a perceived "public image crisis" for Amateur Radio, "resulting from ineffective, inadequate, or nonexistent efforts devoted to self promotion."

The WRSF believes that radiosport events (such as the team championship in Seattle) and associated educational efforts can be used as a vehicle both for promoting Amateur Radio and for recruiting new hams.

Radiosport events can demonstrate to government officials and the general public the purpose and value of Amateur Radio, the proposal says. The argument is bolstered by noting that recent international operating events (DX contests) attract upwards of 40,000 Amateurs worldwide -- a pool of potential WRSF members and ambassadors.

The not-for-profit WRSF would support the activities of the International Amateur Radio Union; "activities and initiatives undertaken by the WRSF are intended to enhance accomplishment of IARU goals and objectives," the proposal says.

Persons interested in this ambitious endeavor may contact John Crovelli, W2GD, 200 Woolf Road, Milford, NJ 08848, for a copy of the 21-page Proposal for Discussion. A large SASE with four units of first class portage would be appreciated.

FCC ADOPTS WARC NOTICE. The FCC on Sept. 19 adopted its second Notice of Inquiry in preparation for the 1992 World Administrative Radio Conference. The text of the 150-page NOI (in general Docket 80-554) was released during the week of Oct 1. Here are the ones known to affect Amateur Radio. HF broadcasting bands are proposed to be expanded. However, none of this expansion would come at the expense of the amateur service. The proposals include realignment of the 40 meter amateur band and the 41 meter broadcasting band so the two would no longer overlap. The amateur band, worldwide, would be 6900 to 7200 kHz with broadcasting at 7200 to 7525 kHz. The amateur band would be exclusive except that an existing secondary allocation to land mobile at 6900 to 7000 kHz would be retained. The proposed implementation date would be 1 July 2007, providing 15 years for a smooth transition. By that date all HF Broadcasting would be expected to use reduced-carrier single sideband emission to conserve spectrum.

At higher frequencies, the news is less encouraging for amateurs. Reallocation of 420 to 421 MHz for low earth orbit satellite use is proposed. One option being considered for accommodation of didital audio broadcasting is the band 2390 to 2450 MHz, presently allocated for amateur use.

These Proposals are very preliminary. Analysis of the NOI, when it is released, may reveal additional threats to amateur allocations. The public will have the opportunity to comment, and those comments will be taken into account as the final U.S. proposals for WARC-92 are developed. Comment deadline is expected to be October 31. November QST will carry more details.

DEFENSE PULLS OUT OF DRILL. U.S. involvement in the Middle East has forced a major Amateur Radio-government emergency exercise to be scaled back. The National Disaster Medical System (NDMS) steering committee, acting on a notice from the Department of Defense, has canceled a full scale drill scheduled for Oct. 10-13, but local drills still may be carried out as planned.

In a letter from Peter B. Collis, M.D., Deputy Assistant Secretary of Defense, the department advised that "Because of their respective commitments to Operation DESERT SHIELD, DoD...found it increasingly difficult to provide the level of activity this exercise [the NDMS drill] deserves and is necessary to support its successful conclusion." The letter in particular noted that Defense already has "canceled or delayed a number of annual war games, open houses, and community relations programs, in order to meet mission requirements in the Middle East."

One role of DoD was to support communications via Military Affiliate Radio System (MARS) stations; this work now will be carried out on normal Amateur Radio frequencies.

The drill is based on an "earthquake" along the New Madrid Faultline in the Central Mississippi Valley. ARRL section managers will receive more information in the next Section Manager's Letter.

BRIEFS.

* Low-power categories will be added to the ARRL 10-meter and 160-meter Contests, beginning this December. On recommendation of the Contest Advisory Committee, the following four new entry categories have been approved: single-operator, less than 5 watts input, and single operator, less than 150 watts input, in both contests.

* Don Peterson, WB7OCU, offers Apple and Commodore software for the disabled, including a number of Morse code programs. His "Computer Foundation for Handicapped Children" can supply a free sampler diskette with 12 programs for a small donation to the non-profit foundation. Contact them at 2645 East Southern, Tempe, AZ 85282.

* Ham Radio Outlet has purchased the Amateur Radio division of CW Electronics of Denver, and a new HRO store is scheduled to open there Oct. 1. With the opening of the Denver outlet HRO will have 10 stores in six states.

* What is billed as the world's largest ham radio gathering took place the weekend of Aug 25 in Tokyo. Ham Fair '90 had as its slogan "it's Our Space, It's Our Paradise," suggesting, according to the Japan Amateur Radio League, the themes of upgrading license class, making full use of new bands, and of the new JAS-1b Amateur Radio satellite.

Highlights of Ham Fair '90 included displays by some sixty equipment manufacturers, more than a hundred booths set up by Amateur Radio clubs around Japan, and presentations by several of the 3Y5X Bouvet operators who activated that rare DXCC country in January. The call for the fair's station was 8J1HAM.

* ARRL members should have received a letter from ARRL President Larry Price, W4RA, detailing the League's ongoing preparations for the 1992 World Administrative Radio Conference. The letter announces a special fund drive to help meet the League's WARC budget.

* The ARRL Letter often relies on readers for news tips. When you see or hear something of interest please send it to ARRL HQ, or give them a call.

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Last Chance
Rapidly Approaching

Effective January 1, 1991, the subscription rate of Auto-Call will be increased to $8.00 per year. Until that time, you can enter a new subscription or renewal of subscription at the present rate of $6.00. The only catch is that the subscription period may not extend beyond December of 1992.

Take advantage of this opportunity now and renew your subscription. Introduce a friend to Auto-Call. Enter a gift subscription for your friends. Auto-Call will make a wonderful Christmas Present they can enjoy the whole year through. If you wish, we will provide a nice Gift Subscription card advising of your present. (Note whether the card should be mailed directly to the recipient or to you.)

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Please enter my NEW____ RENEWAL____ GIFT____ subscription to Auto-Call

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Gift from _____
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Make check payable to the Foundation For Amateur Radio
Mail to above address

PUBLIC SERVICE REPORT

Hank Black - N3ESR
(301) 340-8595

Material for the PUBLIC SERVICE REPORT can be left to N3ESR on the WA3ZNW packet bulletin board on 149.09 MHz, called by telephone, or mailed electronically by modem on arrangements, or mailed to Public Service Report, 105 North Van Buren St., Rockville, MD 20850-1860. Deadline for receipt of material is the third of the month.
Deadline for receipt of material is the fourth of the month.

MULTIPLE SCLEROSIS WINCHESTER BIKE TOUR
by Steve, WB4ZTR

Amateur Radio Operators provided communications for the Multiple Sclerosis "Fruit Loop" Bike Tour on September 8. The Bike Tour consisted of 3 tours of 25, 50, and 75 miles each, covering the Northern Shenandoah Valley from the Virginia-West Virginia State Line on the north, to Strasburg, Virginia on the south. The communications were necessary to insure the safety and well-being of the 131 bicycle riders who had entered the race.

Hams from as far away as Charlottesville and Fairfax assisted those from the Winchester area to insure that uninterrupted and reliable communications prevailed.

KJ4EK, DEC for the Northern Shenandoah District, coordinated communications and served as Net Control Station. Hams manned the following positions in support of the riders:

N4LXP Emergency Medical Technician (EMT) #1
N4FWA EMT #2
WB2CMV EMT #3 (Jo Ann was not only the Ham for this position, but served as the actual EMT as well!)
KA4VMP Mechanic

N4OEF	Rest Stop #1	WA4ITY	SAG Vehicle #1
KM4PB	Rest Stop #2	WA4CJX	SAG Vehicle #2
K4LWG	Rest Stop #3	N4ECI	SAG Vehicle #3
W4OTF	Rest Stop #4	WA4HVU	SAG Vehicle #4
KF4HP	Rest Stop #5	W4UGX	SAG Vehicle #5
WB4ZTR	Rest Stop #6	N4RSF	SAG Vehicle #6
KB2CEV	Rest Stop #7	KD4TZ	Telephone coordinator

The SAG vehicles are for aid to those riders who, for what ever reason, do not wish to continue with the tour, or want a ride to the next rest stop. SAG vehicles also provide valuable information as to course condition and specific road hazards, watch the riders in their area for unsafe riding practices, look for disabled riders or those in need of medical care, and basically provide any assistance that they can.

The purpose of communications at a rest stop is to relay support requests from the rest stop crews. Many times, riders have various needs and information that they can pass along. Rest stop communications also provide information regarding the riders progress along the route.

Public Service Report - Continued

The primary communications medium was through the W4RKC 146.22/82 repeater, owned by the Shenandoah Valley ARC. A heart-felt THANK YOU to each of the participating amateur radio operators.

This event is an example of what we can do by pooling our resources, not ONE individual and not ONE club. But ONE AMATEUR RADIO SERVICE. Thanks for a job well done. The MS Society was able to receipt over $18,000 as a result of the Bike Tour.

HAMS PROVIDE ARMCHAIR COPY FOR WHEELCHAIR RACE
by Steve Czaikowski - WB4ZTR, Virginia SEC

Amateur Radio operators from throughout the Northern part of Virginia provided communications support for the second annual "Wheelchair Race of Champions" on October 2, 1990. The race is a 52.4 mile "Double Marathon" beginning in Purcellville, VA and ending at Freedom Plaza in Washington, DC.

The race follows the Washington & Old Dominion Trail to Falls Church, and selected routes on to Washington.

Ten of the finest wheelchair athletes from across the nation who earned the most points from the 1990 National Cup Series were invited to participate in the race. Also invited was last year's winner of the First Wheelchair Race of Champions, as well as a quadriplegic and the women's division leader. The event focuses attention on wheelchair athletes and their accomplishments by accentuating that ability counts. It has become a motivator to disabled athletes everywhere (although this writer fails to see how anyone who can push a wheelchair over 50 miles in just over 3 hours time can be considered DISABLED!).

Grafton School and Shalom Et Benedictus are both non-profit charities who benefit from the proceeds from the race. Grafton serves 150 children annually in the areas of autism, emotionally disturbed/learning disabled, and mentally retarded/emotionally disturbed. Shalom Et Benedictus operates four programs which provide help to young people with drug and alcohol problems.

Amateur radio operators from Winchester to Arlington pooled their talents to provide necessary communications for the event. Progress of the racers, as well as those experiencing injury or mechanical failure were communicated to race officials, as well as hazards or other events that might be a deterrent to safety of the racers or the public. Special thanks to all those who gave freely of their time and talents: Bob Lewis, N4SCK, John Anastas, KJ4EK, Ben Dutton, N4OEF, Chris Courson, KK4GC, John Birch, KA4YMA, Alan McCorkle, KN4FH, Bill McClain, KC4IGS, Craig Kendall, WA3RGH, Bolton Pierce, N4VEC, Dan Gropper, KC4OCG, Jack Anderson, N4ULS, Alan Jordan, KC4REQ, Tom Lindsley, K4FHK, Krieger Henderson, N4HAM, Glenn Moore, KA4REI, Tom Sawyer, N4BV, Tom Protz, N4BYF, Tom Crabe, W4LMW, Barney Novean, WA4HIM, and Steve Czaikowski, WB4ZTR.

Special thanks also go to the owners and operators of the WA4TSC, N4FXP, K4HTA, and N4EFJ repeaters for allowing their facilities to be used for race communications.

Public Service Report - Continued

SKYWARN ACTIVE WITH TRAINING

Training classes were taught on August 21 and September 6 at the Washington Forecast Office in Sterling, VA. For those students who missed parts of the slide show when the projector motor failed are invited back to see the finish at a future class.

Only one more beginning spotter training class on thunderstorms will be offered at the Sterling site. A class at the forecast office is being given on Saturday, November 17, from 1 to 4 p.m. Please contact Barbara McNaught or Melody Hall at (703) 260-0209.

Plan for the Winter Storm Class to be given on November 8 from 7 to 8:30 p.m. at the Forecast Office. This will involve seeing a tape entitled "Surviving the Cold" and a discussion on SKYWARN's interaction during severe winter storms.

If you attended a SKYWARN training class, but did not receive one of the new 5 digit SKYWARN IDs, please call Barbara McNaught or Melody Hall at (703) 260-0209.

HOW DO SPOTTERS KNOW SKYWARN IS ACTIVATED?

SKYWARN is activated whenever there is the potential for a life-threatening weather situation to occur. For tornadoes, severe thunderstorms and hurricanes, SKYWARN is activated on the issuance of the "Watch." If your county is included in the "Watch," then one can assume it has been activated.

NOAA Weather Radio listeners will now hear the phrase "SKYWARN has been activated" during NOAA announcements. Amateur radio Emergency Coordinators will have their pagers sounded with the SKYWARN code and/or radio net frequency.

The SKYWARN coordinating frequency is the 147.300 MHz repeater. New policies and procedures are being developed and will be announced in the next Auto-Call.

Chuck Rexroad, N4HCP, has resigned as EC for Alexandria, VA and has accepted the position of SKYWARN Net Manager. This appointment will be forth coming with other associated announcements.

- PUBLIC SERVICE CALENDAR -

Oct. 24	National Weather Service WFSO Open House for all Emergency Management personnel 8 a.m. to 6 p.m. Contact Barbara McNaught, (703) 260-0209
Nov. 8	Winter Storm Class National Weather Service WFSO, 7 p.m. to 8:30 p.m. Contact Barbara McNaught, (703) 260-0209
Nov. 10	Marine Corps Marathon Contact Dick Lum, NH6E (703) 938-9215
Nov. 17	SKYWARN Spotters Class National Weather Service WFSO Contact Barbara McNaught or Melody Hall, (703) 260-0209
Dec. 1	National Capital ARES Council Meeting 9 a.m., location to be announced. Contact Hank Black, N3ESR (301) 340-8595 or Harry Jones, N4CWP (703) 204-1781

Training Classes

Robert Armstrong, WA4SQL
44 South French Street, Alexandria, VA 22304
(703) 751-2294

Novice Training Classes, Baltimore, MD. Sponsored by BRATS. Classes are being held on an on-going basis every Friday evening at American Red Cross; 4700 Mt. Hope Drive, Baltimore (near Reisterstown Road Plaza Metro Station). Class is free; Materials (which you can keep) consist of a book and tape and cost $19.90. For registration or information, contact Jeff Salamon, N3FHT at (301) 484-1362

Novice and Upgrade Classes, Lexington Park, MD. Sponsored by St. Mary's County Amateur Radio Assn. For further information contact WD8OYG or call (301) 862-2214.

Novice Classes, Severn, Maryland, Probably starting in January Sponsored by Maryland Mobileers. For information call Bill Dillon, WA3SCW (@ WB3V in Packet)

General/Tech Classes, Laurel, Maryland, starting in February. Sponsored by Laurel Amateur Radio Club. For information call John - W3GFS at (301) 490-5286 or Pud - W3DQI at (301) 498-6293.

GENERAL INFORMATION

Club	Contact
Alexandria Radio Clu	Harry Jones - N4CWP (703) 204-1781
Anne Arundel	Tony Young - WA3YLO (301) 262-1917
Antietam Radio Assn.	Mike Vaia - WB8VBW (301) 797-1573
Arlington ARC	Fred Bardsley - WD4DHW (703) 533-0372
Baltimore ARC	Phone 1-800-HAM TALK
BRATS	Jeff Salamon - N3FHT (301) 484-1362
Chaverim, Inc.	Bob Teitel - W3IDT (301) 654-3484
Fauquier ARC	Bill Mills - KC5PF (703) 937-4090 (H), 818-3955 (O)
Frederick ARC	Steve Bauman - W3FOA (301) 662-4552
Laurel ARC	John Albertine - W3GFX (301) 490-5286
MADRAS	Larry Ziecheck - N3GKZ (301) 530-8646
Montgomery ARC	Ken Nichols - KA3KGL (301) 977-5405
Mount Vernon ARC	John Forrest - WZ4A (703) 971-3905
NASA/Goddard ARC	Vikki Gigante -KA3PVS (301) 249-2609
Pentagon ARC	David Boyd - K9MX (202) 697-0630
Rock Creek ARA	Walt Ramsey - AK3B (301) 949-3954
Shenandoah Valley ARC	Guy Black - W4PSJ (703) 722-4952
Southern Maryland ARC	Vic Curtis - WA3YUV (301) 888-1388
Sterling Park	Art Nevins - WA4NTP (703) 437-9382
Tri County ARC	Al Sines - WA3QGA, Box 710, College Park 20740
Vienna Wireless	Paul Wilkins - AB4CY (703) 560-2779
Washington Adventists	Henry Miller - W3BWN (301) 474-7376
Woodbridge Wireless	Loyd Davis - K8EI (703) 360-0248

Please keep the Training Chairman advised of any changes
in the names and telephone numbers of the contacts for club training programs.
Please list training programs far enough in advance for effective publicity.

FOUNDATION FOR AMATEUR RADIO

Volunteer Examiner Cooperative

Nancy Draheim - NK4U
3513 Old Post Road, Fairfax, VA 22030
(703) 691-0078

SCHEDULE OF EXAMINATIONS
1990

IMPORTANT NOTE: If you now have a Technician class license which was acquired prior to March 21, 1987, have a copy of it available when you decide to upgrade.

EXAMS

Oct. 27 — Laurel ARC (Laurel, MD) (Laurel VEC)
Contact: John Creel, WB3GXW (301) 572-5124

Oct. 28 — Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)

Nov 3 — John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461 or
Phil Giella, KC4DSF (804) 561-3020

Portsmouth ARC (Portsmouth, VA) ARRL VEC)
Contact: Art Thiemens, AA4AT (804) 484-2857

Middletown VE Team (Middletown, VA) (ARRL VEC)
Contact: Walt Quitter, NC4B (703) 869-5241

University of Maryland (College Park) (W5YI VEC) Walk-in
Contact Scott Rsenfeld, NF3I (301) 963-4008

Nov 10 — Massnutten ARA (Harrisonburg, VA) (ARRL VEC)
Contact: Wayne Miller (703) 434-4424

Anne Arundel ARC (LARC VEC) Pre-registration requested
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115

Nov 17 — Ole Virginia Hams (Manassas, VA) (ARRL VEC) Walk-in
Conctact: Harry Vorhauer, W4PVA (703) 368-6050

Nov 18 — BRATS (Baltimore, MD) (Laurel VEC) Walk-in
Contact: Les McClure, W3GXT (301) 833-8667

Nov 24 — Laurel ARC (Laurel, MD) (Laurel VEC)
Contact: John Creel, WB3GXW (301) 572-5124

Dec 1 — John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461

Virginia Beach ARC (Virginia Beach, VA) (ARRL VEC)
Contact: Tom Weikel, KA4UNC (804) 340-7697

University of Maryland (College Park) (W5YI VEC) Walk-in
Contact Scott Rosenfeld, NF3I (301) 963-4008

This schedule of examinations appears each month in Auto-Call Magazine
Sponsored by the Foundation for Amateur Radio

Volunteer Examiner Cooperative - Continued

Dec. 8 Montgomery College (Germantown, MD) (ARRL VEC)
Contact: John Muller, W3QF (301) 564-0178

Dec. 8 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: Dave Bridge, KB3MT (301) 436-8360

Anne Arundel ARC 9LARC VEC0 Pre-registration requested
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115

1991

Jan 5 GWU/Dept of State (Washington, DC) (ARRL VEC) Walk-in
Contact: Derrill Rohlfs, W3WOX (301) 423-0179

Jan 20 Richmond Frostfest (Richmond, VA) Pre-registration Required
Contact: Al Bailey (804) 233-6461

Jan 27 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)

Mar 9 PROS (Salisbury, MD) (Laurel VEC) Walk-in

Contact: Dave Bridge, KB3MT (301) 436-8360

Apr 28 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)

Jun 8 PROS (Salisbury, MD) (Laurel VEC) Walk-in

Contact: Dave Bridge, KB3MT (301) 436-8360

Jul 28 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)

Sep 14 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: Dave Bridge, KB3MT (301) 436-8360

Oct 27 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC) Pre-registration
Contact: Norma Jean Bollinger, NC3X (717) 597-8231 (Before 9:00 p.m.)

Dec 14 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: Dave Bridge, KB3MT (301) 436-8360

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While most examinations are offered on a walk-in basis, pre-registration is desirable in all cases.

Certificates of successful completion for theory tests are not always accepted. Check with the contact person for the examination you wish to take.

If you are upgrading from Technician class license acquired prior to March 21, 1987 a copy of your license may be required as proof that you are grandfathered for Element 3B (General theory)

NOTE: All examinations require that you submit:
Copy of your current Amateur Radio license (bring original)
Completed FCC Form 610.

SRAM -- 023

(Soviet Radio Amateur Movement)

Edited by Dexter Anderson, W4KM

[Following are summary translations from the Soviet Amateur Press]
[Comments by translator are in square brackets]

[from July 1990 issue of RADIO magazine]

"HOW SHOULD WE REORGANIZE THE FRS?"
by Georgiy Khodzhayev, UA4PW
(in series on preparations for the All-Union DOSAAF Conference)

Practically nothing has been done about problems affecting the Soviet Radio Amateur Movement raised at various conferences and meetings.

The management style in the shortwave movement needs a complete transformation. Equating the shortwave movement to nothing but shortwave sport is a serious error.

We have forgotten that from the outset the appeal of short wave was the joy of contacting friends over the air. But this is apparently of little interest to the Shortwave Committee of the FRS of the USSR, which basically deals with sport.

Each year the number of radiostations in schools, vocational schools, and pioneer palaces is diminishing. It's better not even to mention the subject of increasing the number of women operators.

The prestige of the Federation of Radio Sport of the USSR and of its Shortwave Committee is decreasing steadily, as indicated by comments over the air and at amateur conferences and meetings.

Bureaucracy and red tape still characterize the work of the Shortwave Committee, even when deciding insignificant matters. It's as though they don't even intend to consider such things as new callsigns for stations in the Arctic, Antarctic, and Franz Josef Land.

Over the last three years, entirely new structures such as "Inter-Radio," the West Siberian DX Club, and the "Zilan DX Club" have sprung up. They've been fairly successful in arranging international contacts such as the Soviet-American meetings on the Volga, in the Arctic, and in the Altay [mountains], as well as reciprocal visits between shortwavers of the FRG and the Komi ASSR.

Is the Shortwave Committee capable of managing these new organizations, which contain highly competent radio amateurs? Hardly. A process of decentralization and local initiative is probably under way. Nonetheless, we need to think about uniting the efforts and coordinating the activities of the FRS and the new organizations. In my view it's necessary to form an Association [Assotsiatsiya] encompassing radiosections, clubs, and other local organizations.

We could establish an official executive bureau of the Association, consisting of three or four highly competent shortwavers who would carry out decisions and operating on a financially self-supporting basis. If each shortwaver contributed, say, one ruble, the annual budget of the Bureau would be 35 - 40 thousand rubles.

It seems logical to reorganize the FRS USSR into a Union of Radio Amateurs of the USSR [Soyuz radiolyubiteley SSSR], encompassing three structures:

- Association of Radioamateur Communication;
- Federation of Radio Sport [same name as at present];
- Association of Radio Amateur Creativity.

(Continued)

"WITHOUT THE RIGHT TO CHOOSE," by V. Shcherbakov, RA3YF, Bryansk

After reading the Rules on Radioexpeditions distributed to DOSAAF radio technical schools, I concluded that they were written by someone who had nothing to do with expeditions or who was deliberately trying to destroy this activity. Judge for yourself.

First, a document must be submitted showing participants' callsigns, their sport or judges' titles, category of station, equipment, bands, operating modes, power, etc., to the DOSAAF Oblast' Committee. Who needs this information?

Second, you have to report who is financing the expedition. What for? Next. The agreement of the FRS of the oblast' to which the expedition is planned is required. In several oblasts in the European part of the USSR, FRS members don't meet for months at a time, not to mention DX areas where one or two stations, if any, are in operation.

The Rules state that permission to operate is given by the GIE State Telecommunication Inspectorate [roughly equivalent to the FCC] of the republic or oblast' to which the expedition is going. But permission to leave one's own oblast' and transport equipment is given by one's own local GIE, which as a rule requires an agreement concerning callsigns with the GIE of the place to which the expedition is going, plus the agreement of the FRS of that place, plus an application to conduct an expedition from one's own FRS. It usually takes four to six months to process all these documents.

To conduct a radioexpedition, I think it should be sufficient to present a permit to operate on the air. I believe that any citizen of the USSR who is a radio amateur has the right, without any bureaucratic papers, to go on the air on USSR territory with his own callsign, followed by the prefix of the oblast' where he's operating from.

The amateur should also receive his permit to transport equipment and his callsign from the GIE at his place of residence, processing all of his documents within 3 to 5 days.

As things stand, amateurs wishing to engage in radiotourism are deprived of their right of free choice.

The permit to operate on the air, issued by the GIE, should be equally valid on all USSR territory.

"SECRETS OF THE 'ANOMALOUS ZONE,'" by Konstantin Kh. Khachaturov, UW3AA

The invitation to join, as radio operator, an expedition being readied to go to the "Perm' Anomalous Zone" -- the place about which many gripping stories have been told recently -- was unexpected and enticing. The goal of the expedition was to investigate unusual phenomena in the "zone."

The Soviet QRQ Club decided to strengthen the shortwave amateur radio aspect of the expedition by operating 4L1QRQ/9 under the flag of the U-QRQ-C.

We were in a hurry to socialize as soon as possible with the "boys" [rebyata], as they call the possible inhabitants of UFO's here.

We reached the appointed place after it had gotten completely dark. On a meadow next to an old log cabin, someone was chopping firewood. "Aleksey" introduced himself and invited us inside. By candlelight, he told he was from Vladivostok, belonged to an UFO section, took leave, and came here. He hadn't seen any "saucers" ["tarelki" - "plates"] so far, but last night he approached the edge of the meadow and had flashed around with a lantern. In reply, "they" had flashed back with something.

I kept thinking -- will the transceiver operate, will the "boys" allow it to go on? I'd been warned that photographic equipment didn't work in the "zone" and that receiver frequencies would arbitrarily change; if equipment failed to work one should quietly go to sleep -- by morning it would correct itself.

SRAM – 023 - Continued

But the transceiver came on okay. We were inclined to attribute the clarity of the airwaves to "their" kind disposition toward us. On the first try I got Vladimir, UA3LCR, from Smolensk who gave me 579. Thus heartened, I found a clear spot and called CQ; a normal radioexpedition type of operation began.

Members of the U-QRQ-C kept watch. Aleksandr, UA9FHJ, and Vladimir, UA9FHO, from Kungur, and Yuriy, UV9FJ, from Perm', organized a net on 80m.

For no reason at all, the generator stalled on me. The specialists checked everything, to no avail. Next day, the whole "zone" was talking about the generator episode. Resorting to means appropriate to the occasion, each of us uttered the following to himself: "Permit us, please, to start the generator, we need it badly." A turn of the handle, and ... out of the muffler flowed some sort of black liquid. We carefully examined the generator and discovered a bolt whose purpose was unknown to us. We unscrewed it and poured in this liquid. With a half-turn, the gasoline generator started up. Excited voices rang out: "Look, 'they' are here, 'they' heard us."

Late one evening two light-blue flames appeared on the side of my cabin. In the morning it turned out there were fresh traces of a "Buran" ["Blizzard," possibly some sort of vehicle] and lanterns were attached to several trees. In these places, only professional hunters travel in "Burans." Why a hunter came there incognito and why the lanterns were left on the trees is anybody's guess.

In the Saturday U-QRQ-C NET, everyone came in fine, even Tony, N7BG, and Aleksandr, 4K4AB, wished us success and asked for a QSL card for the "UFO" Certificate.

"DX'LL GET YOU IF YOU DON'T WATCH OUT"

[Reprint from an article in April 1970 QST by Albert Kahn, K4FW]

Harold invites a psychiatrist, also a ham, to his home to help him overcome an obsession with accumulating DXCC countries. On the couch, Harold mentions hearing BFØAA calling CQ that morning on 14030, whereupon the psychiatrist disappears out the door...

"DX NEWS"

Y9ØANT, of the Third Antarctic expedition of the GDR, will operate from JB59WF until March 1991, on 3503, 3790, 7003, 7045, 14010, 14190, 14290, 21010, 21190, 21290, 28010, and 28490 kHz. Send QSL cards via the Y2 QSL Bureau or to the address: Manfred Gronak, Y21RO, Köllnische Str. 22, Berlin, GDR - Europe - 1199.

EL2CX [Carl G. Kratzer, K3RV] plans to operate actively for a year and a half or two years. QSL via N2AU.

[from "**NLD**" ("**N**a **l**yubitel'skikh **d**iapazonakh" - "On the Amateur Bands") in the weekly newspaper **SOVETSKIY PATRIOT.**]

NLD-1451, 13 - 19 August 1990: QSL addresses for expeditions:

- UA8T/UB5BCP (19 - 23 July 1990):
  P. O. Box 195, 282023 TERNOPOL' (Ukrainian SSR).
- UB5IBF/UA8V and RB5ITO/UA8V (15 July - 10 August 1990):
  P. O. Box 2046, 341039 MARIUPOL' (Ukrainian SSR).
- UZ4FWE/UZ9Y and UZ4FWE/UZ9Z (2 - 8 and 9 - 16 July 1990):
  P. O. Box 11, 440600 PENZA.
- UZ9JWD/4K4 and 4K4A (Zapadnyy Kamennyy Island) (1 - 15 August 1990):
  P. O. Box 82, 626400 SURGUT-CENTER (Tyumenskaya Oblast').

RB4ES/UAØX will be active until the end of October 1990. The most likely operating times (SSB) are 0700 - 1100 UT around 21200 kHz and beginning at 1800 UT on 14175 kHz in the RA4HA NET. QSL to P. O. Box 51, 322530 ZHELTYYE VODY (Dnepropetrovskaya Oblast'). From UB5EFW.

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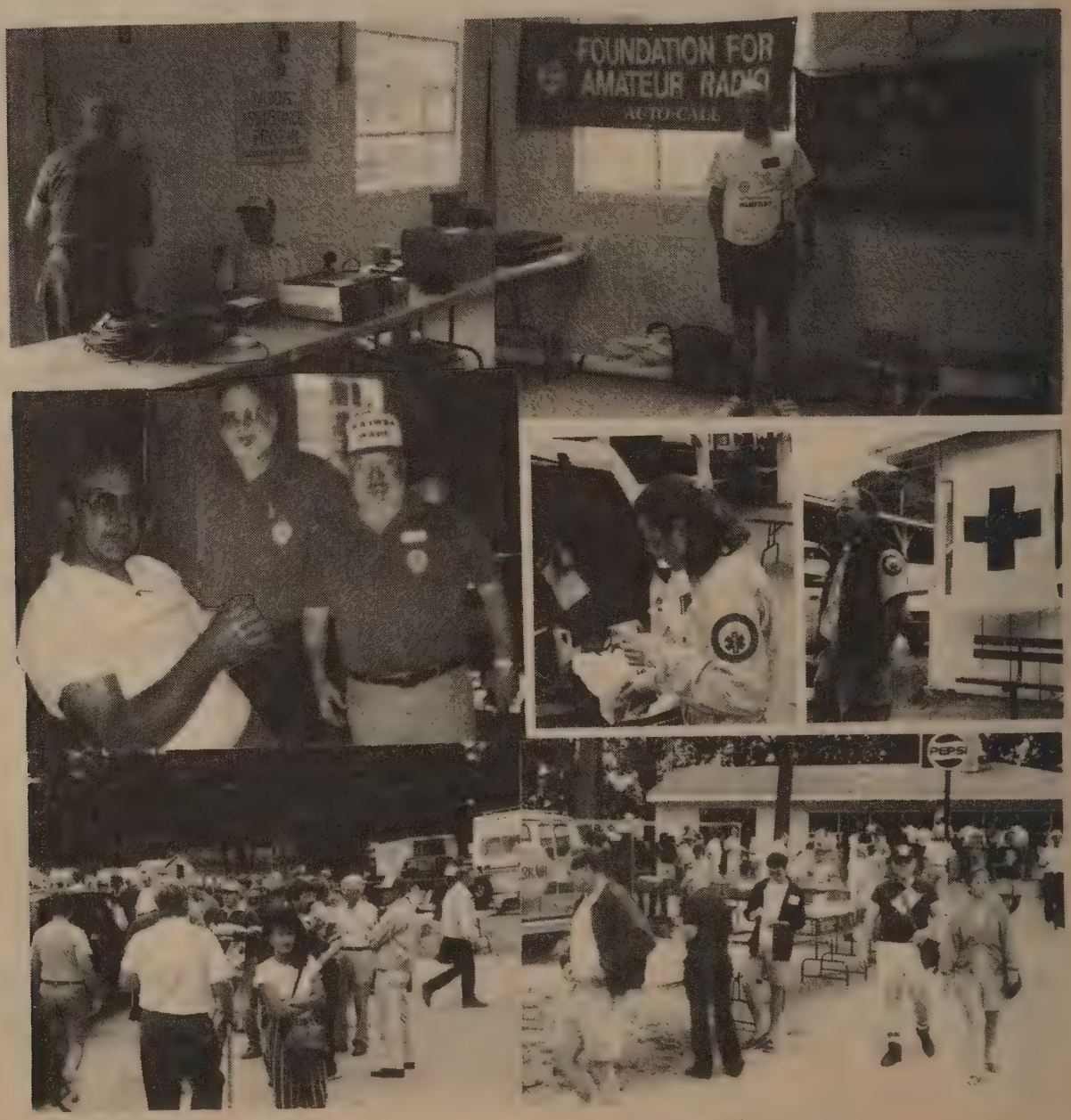
Gaithersburg 1990

Gaithursburg Hamfest 1990 is now history but the following photographs may help you relive the pleasures of the big event. It is estimated that 6,000 people were on the grounds. Bargains were great and the fellowship of meeting and greeting old friends was incomperable.

Everything seemed to move smoothly, thanks to the experienced team of volunteers. Even when the parking lot started to overflow at 8:30 a.m., the team just shifted gears and went on like it had all been expected. Maybe it was. They seemed to have anticipated every possible contingency. Congratulations to Hamfest Chairman Bob Moore, N3CKD and Foundation President Phil Russo, N3GDD and to the many members of the team - several of whom are shown below. It takes a year long effort to prepare for an event of this size and then a very efficient team to make everything run smoothly on the weekend of the event. Our sincere thanks to all of these hard working people.



The end of a Perfect Day

Don't forget we will are already looking for volunteer to help next year. Let us hear from you if you can spare just a few hours of your time anytime between now and Gaithersburg 1991.

Congratulations to:

Hugh Turnbull, W3ABC on being selected to make the response for all Radio Club of America members who were elected to grade of Fellow in the past year. Hugh made his response at the annual banquet of the Radio Club of America in New York City.

Silent Keys

General Curtis E. LeMay - K6EZV (formerely K4RFA when he was in the local area) died of a heart attack in California on October 1. He was 83. He was well known to the old timers in the Washington area as a very active and supportive Amateur. He was also known as being primarily responsible for promoting the use of Single Side Band in the Air Force communications. In 1948 he became commanding general of the Strategic Air Command (where he became known as "Old Iron Pants") and was promoted to Air Force Chief of Staff in 1961. He retired in 1965. LeMay had a colorful career during WW-II and, among many things, is credited with pioneering precision daylight bombing and directing and leading the Berlin Airlift.

James E. Bush, KA3IDY of Clinton, Maryland, died of congestive heart failure on September 2. He was 72. Bush was an active Amateur and a member of the Southern Maryland Amateur Radio Club. He served in the Navy during WW-II and participated in combat operations in the Philippines and Okinawa. In 1948 he came to work for the Naval Research Laboratory and worked on the Vanguard rocket project. When NASA was created in 1959 he went to work at the Goddard Space Flight Center and designed various components of satellites. He received an Apollo Achievement Award for contributions to the first moon landing in 1969. He retired from NASA in 1970.

Theodore R. McCartney - W3TFJ of Annapolis, Maryland died of liver ailments on August 29. He was 76. In 1940 he came to work for the Federal Communications Commission and was assigned to Hawaii. In 1950 he was transferred back to Washington and worked here for 16 years. In 1966 he joined the Federal Aviation Administration and worked on construction of airport communications facilities in Syria, South Korea and North Africa. He retired in 1975 and later moved to Annapolis.

John Platt, W4QX became a Silent Key on October 7. No further information was available at press time.

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Widow's Assistance Program Commended

We received the following letter from the widow of Robert True - W3QD and asked her permission to reproduce it in Auto-Call. It is a most gracious letter and in such a few words says so much about the Foundation's Widow's Assistance program and the committee people who provide this truly worthwhile service.

Foundation for Amateur Radio,

The biggest blessing in my recent widowhood has been the assistance of the FAR! I hope you never end the Widow's Assistance program. May others be as blessed as I have been.

Tony Young has been supportive, kind, and so generous of his time in guiding me through all the maze. I am grateful and thankful. God bless you in all your endeavors in the Foundation.

Sincerely,
/s/ Shirley True

Foundation For Amateur Radio

Ham of the Month

Loyd Davis - K8EI

Loyd (yes, one "L") has given his all to Amateur Radio for the past 20 years. He is an active member and driving force in not one, but two clubs in Northern Virginia - The Woodbridge Wireless (WWI) and Mount Vernon Amateur Radio Club. He has held many offices in WWI and is currently on the board of directors. As noted in Auto-Call, Loyd is now the training class coordinator for the Woodbridge Wireless, and has been an instructor for many years. His enthusiasm has prompted many of our youth and elders to pursue this great hobby.

He has given many Amateur Radio presentations to both clubs many times a year. Some of the more recent presentations have been "Field Day." "Construction of Antenna Tuners, " and "The Anatomy of a Hamfest." During the Hamfest presentation, he was fully decked out in all weather attire, wearing several HTs and had us rolling in the aisle while passing along important information.

Loyd is always willing to lend a hand to the newcomer, or the seasoned ham, with technical advise and assistance. He's always there to help with the numerous public service events that the clubs sponsor. K8EI has participated in every WWI Field Day from 1973 to 1989, and displays his outstanding individual CW work along with the team effort in other areas enabling WWI to become a premier Field Day club. He also finds time to instruct other clubs on how to put together a successful and fun filled Field Day. It's a pleasure to work with Loyd and also a pleasure to watch him operate.

Loyd also demonstrates great consistency. Besides participating in so many WWI Field Day, volunteering for public service events, and being the stabilizing element in the WWI; he continued to actively participate earlier this year even after being without a job. When most of us would have been preoccupied or dejected while job hunting, he continued to give presentations, teach Novice classes, and participate in many events and volunteered for public service. He persevered and remained positive through his ordeal and continued to promote Amateur Radio. (He also landed a job.)

I think K8EI should be recognized as FAR *Ham of the Month*, not only for his outstanding contributions to our ham community, but also because of the rare qualities of character he displays even when times are tough.

Submitted by Delis Chatelaine, WD4KXF

Ham of the Month Nominations

Send your nominations for *Ham of the Month* any time throughout the year. If more than one nomination is received in any one month, three Foundation Trustees will serve on a committee to select the one to be recognized that month. Additional nominations will be held for consideration in future months. Take advantage of this opportunity to recognize the contributions of the people who do so much for your club and for the Amateur Radio Service. For more information, call Tony Young, WA3YLO.

Foundation for Amateur Radio
Scholarship Program

The Foundation For Amateur Radio is please do introduce the winners of the thirty-three scholarships which have been awarded this year. Altogether there were winners from fifteen different states. Seven were from the local area.

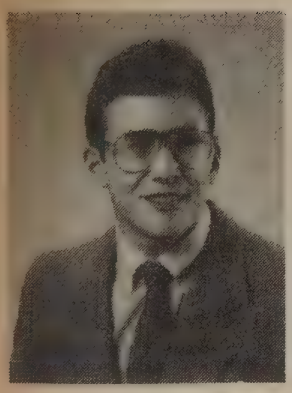
Four of the scholarships were funded directly by the Foundation for Amateur Radio and seven more were funded by Foundation member clubs. Other scholarships are funded by various organizations or individuals and are administered by the Foundation without cost to the doners. The amount of the awards vary from $500 to $2000.

Winners are listed by state of residence
Local Maryland and Virginia winners are listed first. Other states then follow in alphabetical order

BALTIMORE AMATEUR RADIO CLUB SCHOLARSHIPS - $1000
Barry Bell, KA3PRE - Reisterstown, Maryland. Junior year at West Virginia Institute of Technology, Montgomery, West Virginia. Majoring in Computer Science. Has been using computers since he was 10 years of age and hopes to somehow use his talents to improve the condition of the world. First licensed in 1985, holds Technician class license. Father is W2SSU. Operates mostly 2-meter FM and satellite and 10-meter FM. Is most interested in satellite operation. He is setting up for Mode-B OSCAR and hopeful to set up to Mode-J. Due to college demands, he does not have much time for operating now but is an active member of the college radio club. Other interests include swimming, reading, science-fiction, ACM.

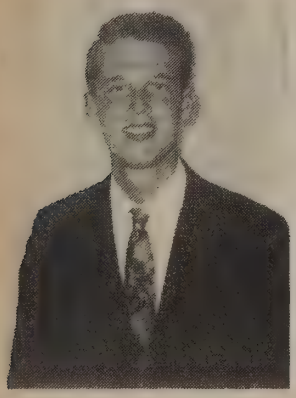
BALTIMORE AMATEUR RADIO CLUB SCHOLARSHIPS - $1000
Andrew S. Faiola, N3GLA - Silver Spring, Maryland. Sophomore at Washington University, St. Louis, Missouri. Majoring in Business, with a concentration in marketing. Is also interested in writing. Would like to become a partner in an advertising agency. Age 19. First licensed 1988, holds Technician class license. Father is K3WX, grandfather is WA3JSC. Operates 2-meter FM and 10-meter CW and SSB. Constructed a fiberoptics transmitter and receiver for a science project. He particularly enjoys mobile communications and emergency communications activities. Feels he can be of greatest service by being familiar with emergency procedures. Other interests include film making and writing fiction. National Honor Society, Who's Who Among American Highschool Students.

FREDERICK AMATEUR RADIO CLUB SCHOLARSHIP - $1000
Amos D. Faux-Burhans, KS30 - Thurmont, Maryland. Junior at University of Maryland; College Park, Maryland. Majoring in Computer Business Option with minor in Communications. Hopes to promote communications and technology through training young members of our society; show them how beneficial Amateur Radio can be for themselves and society. He says he has the patience to train people and is living proof that it can be done when you're young. Age 23. First licensed in 1983, holds Extra class license. Father is W3IMP, step-mother is KA3IUD. Operating currently limited to 2-meter FM. He communicates daily with his father. Other interests are computer programming, Masonic activities, flying with his dad, and helping him restore vintage cars and raise North American Trumpeter Swans. Has received several civic and academic awards.



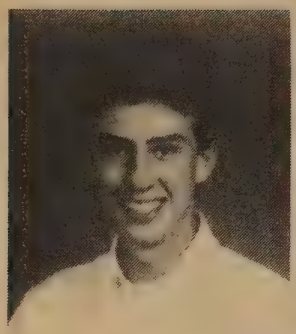
BALTIMORE AMATEUR RADIO CLUB SCHOLARSHIPS - $1000
David S. Katz, N3DKB - Bowie, Maryland. Entering fourth year at Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Double major in Communication studies and Sociology. Will probably work in the field of Broadcast Communications but not yet ready to make a concrete decision on career goals. Has been involved with student run cable television (camera, producer, director, editing, playback, engineering) First licensed in 1982, holds Extra class license. Father is KB3TB, sister is N3DOH. Operates mostly 2-meter FM. Particularly enjoys public service events and emergency communications activities. Other interests include sports, photography and model rocketry. Received Prince Georges County Award for Academic Excellence.

COLUMBIA AMATEUR RADIO ASSN. SCHOLARSHIP - $1000
Kurt W. Rupprecht, N3EOI - Salisbury, Maryland. Junior year at Mary Washington College, Fredericksburg, Virginia. Majoring in Political Science with a minor in History. Plans to go on to graduate work. Would like to work in the service of the Federal Government, especially the State Department. Hopes to be able to make contributions in both the domestic and international affairs of our nation. He feels the field of Political Science contributes to the understanding and improvement of relationships between peoples of all types. Age 20. First licensed in 1983, holds Technician class license. Father is K3NOQ, mother is N3EIH. Active on and 2-meter FM and 10-meters. Also interested in computers and photography. Student government president for 1990-1991.



VICTOR C. CLARK MEMORIAL SCHOLARSHIP - $1000
William T. Free, KC3YO - Fairfax, Virginia. Senior at Rice University, Houston, Texas. Majoring in Electrical Engineering. Hopes to work in research and development of new communications technology. After a few years of work experience, plans to enter graduate school. Since William grew up with his father' Amateur Radio and was exposed to computers at an early age, electrical Engineering became a natural choice. Age 21. First licensed 1985, holds advanced class license. Father is W3FTG. Active on most bands 75-meters to 10-meters CW and SSB and 2-meter FM and Packet. Also enjoys contesting and DX. Currently working toward DXCC award. Is trying to re-organize the University radio club. Other interests include sports and he is an Eagle Scout and Assistant Scoutmaster in Boy Scouts.

JOHN W. GORE MEMORIAL SCHOLARSHIP - $1000
Stuart Rosner, W4UL - Vienna, Virginia. Third year at University of Virginia, Charlottesville, Virginia. Majoring in Electrical Engineering. Hopes to work on something related to space exploration, such as a manned mission to Mars. Age 20. First licensed 1981 at age 11, upgraded to Extra class licensed age 13. Father is K4YV. Active on 40, 30, 20, 15, 12 and 10 meters CW and SSB. Spends at least 3 hours a week DXing on all the HF bands, mostly on CW. Wants to get involved with the OSCAR satellites. Plans on getting Amateur Radio club re-activated at the University, hopes to attract other students to Amateur Radio. Other interests include sports, piano and reading. Has received several honors and Northern Region AAA Award for Academic Achievement while playing varsity sports.



KARL R. MEDROW MEMORIAL SCHOLARSHIP - $750

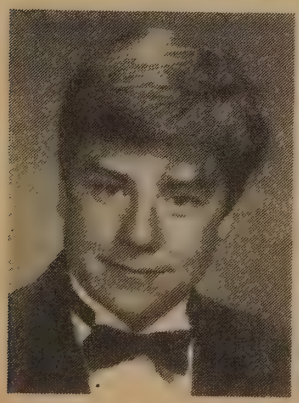
Lesley D. Walker, N4FTJ - Cullman, Alabama. Second year at the University of Alabama in Huntsville, Alabama. Majoring in Electrical Engineering with mathematics minor. Hopes to become involved in the new evolving technologies in the field of optical engineering and help develop technological resources for the future. Age 19. First licensed 1980 at age of 9, now holds Technician class license. Father is KD4ZO, Mother is N4GRU. Particularly interested in VHF SSB and VHF-UHF FM. Operates some 2-meters packet, 70 cm FM and 10 meters CW and SSB. Enjoys Field Day and emergency communication activity. Active with Novice classes and promotes Amateur Radio at school and Boy Scout and Cub Scout troops and teaches a sunday school class. Has received a number of national scholastic honors.

QCWA CRESSON F. DONBAR SCHOLARSHIP - $750

Heather Ludtke, KDØRU - Glenwood Springs, Colorado. Graduate student at Massachusetts Institute of Technology, Cambridge, Massachusetts, studying Chemical Engineering. Math and Science have always been her strongest areas of interest. As a chemical engineer she hopes to combine these interests to help solve different aspects of environmental problems. Age 18. First licensed in 1984 - at age of 11, now holds Advanced class license. Three other hams in family: K9MWM, NØDBY and NØEEK. Operating is currently restricted to 10 meter SSB, and 2-meter SSB and Packet. She enjoys participating in community service activities. She is particularly anxious to encouraging girls to take an interest in technical areas and science. She has had several honor awards in math, science and academic excellence.

DADE TROPICAL HAMBOREE SCHOLARSHIPS - $1000

Aaron A. Algiere, KC4GNA - Gainesville, Florida. Senior at University of Florida, Gainesville, Florida. Majoring in Food Science and Human Nutrition. Hopes to do research involving flavor chemistry or quality control. In high school was accepted for special summer science research program working with University of Florida faculty members in the Food Science Department. Found the research work particularly interesting and decided to major in that field. Age 20. First licensed 1989, holds Advanced class license. Operates most bands and most modes, has been assisting in coordinating communications for first aid station activity at University of Florida football games. Also interested in computer programming and photography. National Honors Society, various science fair and departmental awards.



DADE TROPICAL HAMBOREE SCHOLARSHIP - $1000

Nathaniel F. Tarbox, KC4AOI - Jacksonville Beach, Florida. Sophomore year at Florida Institute of Technology, Majoring in Civil Engineering. Is interested in the design of structures and construction management. Hopes to become a Construction Engineer with a small engineering firm. First licensed in 1986, holds General class license. Father is KC4AOH. Active on 2-meter FM and 10-meter SSB. Is interested in satellites and did a science project using RS10/11. He has helped organize Field Day events and community service projects. Other interests are sailing, softball, club and fraternity activities. He served as secretary of the FIT Amateur Radio Society . He received first place in regional science fair, Earth Space Science.

QCWA ROBERT S. CRESAP MEMORIAL SCHOLARSHIP - $750

Jason G. Lovett, N1EJD - Arundel, Maine. Freshman at University of Maine. Majoring in Civil Engineering. Particularly interested in environmental applications and hopes to do design work associated with recycling and safe ways to store and dispose of dangerous wastes. He feels Civil Engineering is growing field with many options and opportunities to really be an asset to society. Age 18. First licensed in 1985, holds General class license. Grandfather is W1ALL. Operates 2-meter FM and 75 meter SSB. Most active in traffic handling and "mountain tipping." Served as assistant emergency coordinator for local ARES/RACES. He has been very active in the past but now demands of school are cutting into his time. Plays baseball and umpires little league.

EDMUND B. REDINGTON MEMORIAL SCHOLARSHIP - $500

Richard T. De La Hunt - KØLEE - Park Rapids, Minnesota. Freshman at North Dakota State University, Forgo, North Dakota. Majoring in Electrical Engineering with minor in Math. Has gained considerable experience in doing technical work in broadcast transmitters installation and construction and installation of satellite equipment. Likes being involved in radio production and engineering work and hopes he may be able to become an engineering consultant. Age 18. First licensed 1982, holds General class license. Family members include KØGUV, KAØKKO, KAØKKP, KAØKIF and KAØMMH. Active on 80-2 meters SSB and CW. Served 2½ years as student teacher teaching electronics and electricity. Enjoys building and repairing equipment.

10 - 10 INTERNATIONAL NET SCHOLARSHIP - $750

Nathan Scott Willingham, KAØUFO - Bevier, Missouri. Senior at Oral Roberts University, Tulsa, Oklahoma. Majoring in Electrical Engineering. Feels this is a field that has been growing at an unbelievable pace in the last few years and will continue this way. He would like to become involved in research or the manned space program. Age 21. First licensed as Novice in 1985, now holds Extra class license. Father is KØARS. Operates all bands 80 through 10 (mostly 20 meter CW), and 2-meters FM. Enjoys county hunting on 20-meter SSB. Would like to see better manners displayed in some of the DX pileups. Is a sunday school teacher and has worked as counselor at a youth camp. Has received several scholastic and civic awards.

10 - 10 INTERNATIONAL NET SCHOLARSHIP - $750

Mark Horwath, KA2SPU - Derry, New Hampshire. Freshman at Pennsylvania State University, University Park, Pennsylvania. Majoring in Biology with a minor in Computer Science. Hopes to run a small animal veterinary practice. Age 18. First licensed in 1988, holds Novice class license. Father is K1RR, Mother is KC1RA. Active on most bands, primarily SSB and AMTOR. Plans to become a Volunteer Examiner and bring other young people into the Amateur service. Amateur Radio is a family project. His father is a radio officer in the Merchant Marine and Amateur Radio is virtually their only means of communicating with him when he is on the high seas. Mark is a USCF rated chess player, also enjoys creative writing and animal rescue league volunteer work. National Merit Scholarship semi finalist, received several cash awards for published writings.

QCWA MEMORIAL SCHOLARSHIPS - $750

Thomas W. Brown - KA2UGQ - Berkeley Heights, New Jersey. Freshman at Lehigh University, Bethlehem, Pennsylvania. Majoring in Electrical Engineering. Would like to be able to research and design electronic technology, possibly related to audio, visual, digital, or other forms of communication. He says he has always been an experimenter and the balance of creativity and technology suits his interests best. Age 19. First licensed in 1984, holds General class license. Father is W2EME. Operates 24-hour packet bulletin board on 2-meters, occasional CW and phone on HF. Interested in SSTV and FAX and other digital communications. Edited Mountain Spark Gap newsletter and highschool yearbook. Other interests include computer programming/hardware and photography (especially special effects.)

EDWIN S. VAN DEUSEN MEMORIAL SCHOLARSHIP - $750

Martin Gruen, KA2VLD - Runnemede, New Jersey. Freshman at Stetson University, DeLand, Florida. Majoring in Biology. Plans to become a chiropractor and help relieve the pain of people who are suffering. Age 18. First licensed in 1984 at the age of 12, now holds Advanced class license. Father is KA2VHQ, mother N2FPS, sister KA2VHR. Operating presently limited to 2-meter FM. Active in emergency communications activities and is the youngest member of local RACES group. He is currently serving as Assistant Director of Emergency Management for the Borough of Barrington, New Jersey. Involved in a variety of activities including drama and musical productions, and computer programming. Has received a number of civic and academic awards.

QCWA MEMORIAL SCHOLARSHIPS - $750

Victoria L. Gruen, KA2VHR - Runnemede, New Jersey. Junior year at Stetson University, DeLand, Florida. Double majors in Computer Science and Mathematics. Would like to be a Systems Analyst and work with computers to help mankind. Age 20. First licensed 1984, holds Advanced class license. Father is KA2VHQ, mother is N2FPS, brother is KA2VLD. Activities presently limited to 2-meter FM. Enjoys working in emergency communication drills and has participated in many drills with the county police and RACES. Anxious to get others involved in Amateur Radio. Also enjoys drama, computers and creative writing. Has won several computer programming awards and an Outstanding Achievement in Physics.

RADIO CLUB OF AMERICA SCHOLARSHIP - $500

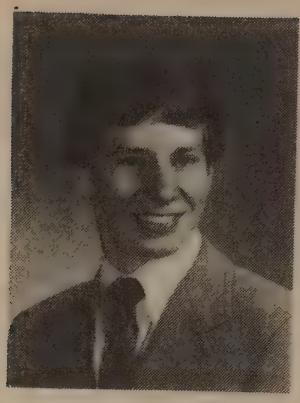
Douglas Claprood, KA2KWB - Mt. Morris, New York. Senior at Clarkson University, Potsdam, New York, majoring in Electrical Engineering. Plans to focus on semiconductor devices and circuits. Wants to integrate his two favorite hobbies, music and electronics and eventually wants to own a small music studio built entirely with his own designs. Age 20. First licensed 1981, holds General class license. Father is N2DVH. Active mostly on 2-meter and 220 MHz FM and some 80- and 40-meter CW and SSB. Is working toward WAS CW on 80 and 40 meters. Keeps weekly schedules with his father on 75 meters. Other interests include bicycle touring and racing, clarinet, vocal soloist and choral performances in church choir and school. He is also DJ (Jazz format) at college radio station.

KEVIN BARRY PERDUE MEMORIAL SCHOLARSHIP - $1000
Matthew M. Harbur, KB2GHW - Woodstock, New York. Freshman at Grinnell College, Grinnell Iowa. Majoring in English/Writing/Teaching. He is particularly looking forward to teaching but intends to continue writing. Feel there is an ever increasing need for today's youth to learn how to communicate properly. Age 18. First licensed 1988, holds Advanced class license. Enjoys ragchewing and swapping signal reports, also some DXing. Is SKYWARN weather observer. Looks forward to attracting more young people to enter Amateur Radio. National honor society, first place in county wide essay contest, outstanding orchestra member (base violin) also plays electric guitar.

RICHARD G. CHICHESTER MEMORIAL SCHOLARSHIP - $900
Michael King, KA8NAJ - Canton, Ohio. Senior year at University of Akron; Akron, Ohio. Majoring in Electronic Engineering. Plans to work for an electronic engineering company developing and testing new high tech. devices, possibly in the field of communications or medicine or aviation. He feels that electronics and the sciences offer great resources for our use and development and he wants to be a part of its continued advancement. Age 23. First licensed in 1981, holds General class license. Father is KA8RVJ. Operates mostly 2-meter FM and Packet, also 10-meter voice. Interested in emergency communications and teaching Novice classes. Has held office in several Amateur Radio and electronics clubs and has received a number of civic and achievement awards.

ROSE ELLEN BILLS MEMORIAL SCHOLARSHIP - $2000
Douglas M. Benish, N3CXB - Pittston, Pennsylvania. Senior year at Pennsylvania State University, University Park, Pennsylvania. Majoring in Electrical Engineering. Plans to work in electrical engineering field relating to communications-fiber optics, "a field where I feel I can have a positive impact and help others with my work." Age 20. First licensed in 1980, holds Extra class license. Father is K3SAE, mother is KB3GG, sisters KE3J and N3FAC. Active on HF bands 160-meters through 10-meters, CW and SSB; 2-meter FM and Packet, 6-meters, 220-, 432-, and 1296-MHz CW and SSB. Enjoys Field Day, emergency drills, and recruiting and testing new Amateurs. Active in ARRL volunteer service and hopes to attain section level or Division responsibilities. Involved in many activities. Graduated from high school with Magnum Cum Laude Honors.

YOUNG LADIES' RADIO LEAGUE SCHOLARSHIP - $1200
Melissa L. Benish, N3FAC - Pittston, Pennsylvania. Freshman at Pennsylvania State University, University Park, Pennsylvania. Majoring in Aerospace Engineering. Is interested in research and development of space vehicles. Hopes to work in the space program and design new space vehicles and improve old ones. She hopes to help reinforce a positive attitude toward the space program and the aerospace industry. Age 18. First licensed in 1984, holds General class license. Father is K3SAE, mother is KB3GB, sister is KE3J and brother is N3CXB. She is active on HF bands 160 though 10 meters SSB and CW, 2-meter FM and Packet, 6-meters; 220, 432 and 1296 MHZ CW and SSB. Enjoys contesting, communications for civic events and emergencies and promoting Amateur Radio. National Honors Society, Who's Who Among American High School Students.



QCWA MEMORIAL SCHOLARSHIP - $750

Paul W. Hoffman, NK3M - Sinking Spring, Pennsylvania. Junior at Virginia Polytechnic Institute, Blacksburg, Virginia, majoring in Electrical Engineering with Mathematics minor. Is considering combining engineering with some type of mission work to meet both the physical and spiritual needs of people to live a better life. Feels that a degree in Electrical Engineering can serve as a springboard to a variety of associated fields. Age 21. First licensed as Novice in 1986, advanced to Extra class a year later. Father is W3VBY. Operates CW on HF bands and voice on 2-meters, is particularly interested in digital modes. Has been building electronic kit projects since 7 years old and built a Sinclair computer at age 11. Amateur Radio came later! Listed in Outstanding College Students of America.

QCWA LEO MEYERSON FAMILY SCHOLARSHIP - $750

Robert M. Popella, KA3HIE - Tidioute, Pennsylvania. Sophomore year at Clarion University, Clarion, Pennsylvania. Majoring in Secondary Education and Social Studies. He hopes he can include a school club station with his teaching so he can teach children about the world in connection with Amateur Radio. Age 20. First licensed in 1981, holds Extra class license. Active on 80-meters through 10-meters. Entire family holds Extra class licenses and operate strictly CW. Father is WA3CXW, mother KR3L, brother KS3V and grandfather WA3EBJ. Is an avid contester and DXer and has DXCC with 175 CW endorsement and 220 worked. Also enjoys contests and ragchewing. Has 45 wpm code certificate and can copy mentally at about 60 wpm. Also enjoys hockey and would like to be a professional hockey player.

RADIO CLUB OF AMERICA SCHOLARSHIP - $500

Timothy Potocki, N3CZV - Bradfordwoods, Pennsylvania. Senior at Temple University, Philadelphia, Pennsylvania. Majoring in Electrical Engineering. Would like to design antennas and devices associated with electromagnet field and wave propagation. Ever since he received his license, Tim says he has been interested in finding out how and why electronic and electrical equipment works. Now he is anxious to do some designing of his own. Age 22. First licensed 1981 at age 13, holds Advanced class license. No other Amateurs in the family. Active on HF bands 80 - 10 meters and 2 meters VHF. Particularly interested in DX propagation and enjoys participating in Field Day. Other interests include swimming, football, computers and automobiles.

RADIO CLUB OF AMERICA SCHOLARSHIPS - $500

Jonathan Vidal, NY3Z - Erie, Pennsylvania. Sophomore year at Gannon University, Erie, Pennsylvania. Majoring in Electrical Engineering. Hopes to design radio components and transceivers for commercial and Amateur use. Would also like to design and work on communications systems for commercial and private use. Age 18. First licensed 1988, holds Extra class license. Uncle is N3HZC and cousin is KA3TRH. Operates 2-meter FM and 40- and 20-meters, mostly DX and traffic nets. Also does some "computer hacking." Finds most fun in operating public service events, SKYWARN, ARES, NTS traffic handling, and helping other students become hams. Has "Elmered" four new hams and served as president of two clubs. He also enjoys experimenting with antennas and HF ragchewing.

AMATEUR RADIO NEWS SERVICE SCHOLARSHIP - $600

Paul C. Yoder, KA3MUD - Bridgeport, Pennsylvania. Sophomore year at Temple University, Philadelphia, Pennsylvania. Majoring in Communications (Radio-Television-Film). Hopes to work in television news production and independent film making. Interested in video technology and creative opportunities in television production. Age 19. First licensed in 1983, holds Technician class license. Father is WB3CEZ, Grandfather is W6SMR, Uncle is N3CQS. Presently active primarily on 2-meter and 6-meter AM. Also interested in 10-meter FM and Amateur Television. Would like to improve video quality and techniques in ATV operations. Other interests include the school newspaper, videographer, and amateur video technician. Has received several merit awards for outstanding achievement in instructional television.

QCWA MEMORIAL SCHOLARSHIPS - $750

William T. Baggett, AA5DF - New Braunfels, Texas. Sophomore year at New Mexico State University, Las Cruces, New Mexico. Majoring in Electrical Engineering with minors in Mathematics and Economics or Management. Looks forward to being on the leading edge of technology and contributing his work to the betterment of society. Age 19. First licensed in 1985, holds Extra class license. No other Amateurs in the family. Operates 80-meters through 10-meters RTTY and SSB and 2-meter FM and packet and AMTOR. Is most intrigued by the newer and specialized communications modes and continually uses these modes for communication and experimenting. Also enjoys public service events and traffic handling and is acting as a Volunteer Examiner. Active in local radio clubs, IEEE and Air Force ROTC.

AMATEUR RADIO NEWS SERVICE SCHOLARSHIP - $600

Jennifer Doerrie, KA52MJ - Booker, Texas. Freshman at Odessa College, Odessa, Texas. Majoring in Journalism with minors in Modern Languages and International Relations. Hopes to become a foreign correspondent or work related to international communications. Age 18. First licensed in 1985, holds General class license. Father is K5IS, sister is KB5DAK. Presently active primarily on 2-meters FM, some 40-meters. Enjoys Field Day activities, emergency communications, and some DX when time permits. She was an AFS exchange student to Sweden and feels an increased understanding of other people throughout the world is one of the most valuable parts of Amateur Radio. Listed in National Honors Society.

WEST ALLIS RADIO AMATEUR CLUB - $500

Douglas Kleemann, KA9LWN - Shawano, Wisconsin. Senior at Marquette University, Milwaukee, Wisconsin. Majoring in Biochemistry with minors in Theology and math. He hopes to become a medical doctor, practicing in a small community rather than a large metropolitan city. He is not yet certain which area of medicine he would like to specialize in but is giving some thought to surgery and also to being an allergist. He chose theology for a minor because it will apply to the ethical questions facing the medical profession. Age 21. First licensed in 1981 at age 12, upgraded to Extra class within a year. Father is N9FVW, brother is KA9VDD. Operates most bands, CW/SSB/FM/digital. Is especially interested in communications links. He is a licensed private pilot. Listed in Who's Who Among American College Students.

WEST ALLIS RADIO AMATEUR CLUB - $500
Chad Kurszewski, WE9V - Greenfield, Wisconsin. Fifth year on co-op program at Marquette University, Milwaukee, Wisconsin. Majoring in Electrical Engineering. Would like to become a Project Engineer in the electronics field. Hopes to work in RF, combining his two passions - Electronics and Amateur Radio. He has been fascinated with electronics since he was about 10 years old. Loves the theory and really enjoys constructing equipment. Age 22. First licensed in 1987, holds Extra class license. No other Amateurs in his family. Operates on CW and SSB 10-80 meters, 2-meter FM, 220 Packet. Particularly enjoys DXing and the challenge of HF contesting, participates in every major week-end contest. Other interests include sports and restoring classic cars. National Honor Society, President's Academic Fitness Award.

WEST ALLIS RADIO AMATEUR CLUB - $500
Martin J. VanDerBurgt - KA9MSR - Kaukauna, Wisconsin. Senior at Marquette University, Milwaukee, Wisconsin. Majoring in Electrical Engineering. Considers power engineering a promising field where engineers will be needed to solve problems associated with increasing demands, distribution and "brown out" problems. Very few engineers are going into the power engineering field now and he feels the need for them is growing all the time. Age 21. First licensed in 1982, holds Extra class license. Father is K9DHR. Particularly enjoys 2-meter Packet. Also operates 2-meter FM and 20-40-80 CW and SSB. Very active in Amateur Radio club activities and teaches Novice and upgrade classes. Works as volunteer for Red Cross and Home for Battered Women and Children. Received Presidential Academic Fitness Award.

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Foundation scholarships are open to all Radio Amateurs meeting the specified qualifications and resident requirements of the various sponsors. All applicants are considered for any of the scholarships for which they can qualify.

Announcement of the scholarships to be offered in 1991 will appear in the March or April issues of the Auto-Call and major Amateur Radio publications. Watch for the announcements and help us reach deserving Amateurs who might benefit from this program.

Contributions and bequests to the FAR scholarships are solicited. The cost of college tuition has increased dramatically in the past few years and the need for more and larger awards is apparent. At the same time income from sustaining funds and investments held in the scholarship fund have decreased as interest rates have dropped. Some of the funded scholarships are no longer self sustaining at the present award level. Please help us to continue this most worthwhile effort. Conributions of any amount will be greatly appreciated.

The Foundation For Amateur Radio is a 501(C)(3) non-profit organization devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service. Contributions are tax deductible within the limits of the law.

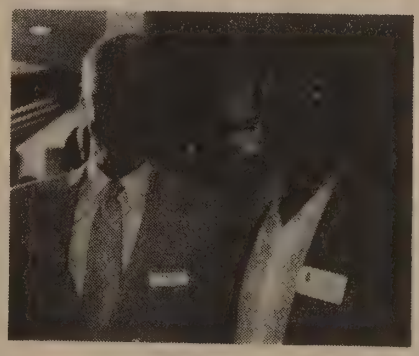
The mailing address for the Foundation For Amateur Radio Scholarship Program is
FAR Scholarships
6903 Rhode Island Avenue
College Park, Maryland 20740

DX Corner

Looking ahead at some interesting DXpeditions, I find the one to South Sandwich/South Georgia to be pretty interesting. Logistically, the operation is set in concrete, but financially they have a long way to go. With regard to the equipment, Kenwood is supplying six rigs, four beams are coming from Cushcraft, Amertron is providing some amplifiers, MFJ is supplying miscellaneous switches, meters, etc., and RF Enterprises is providing whatever else is needed.

Chatting with KØIR I learned quite a bit about the plans, opportunities and hurdles that lie ahead for this venture. They are still planning a 20 man crew, including ADØS, AH2BE, KØIR, K5MM, K5VT, KM4KJ, KØ7N, VE3SUN/W6, W7KNT, W9ARV, WA3YVN, WSØS, XE1VIC, WA4JQS, DJ9ZB, KH6WZ, JE3MAS, JF1IST, W5IJU AND WA9L. Two of the crew, KØIR and K5VT, are medical doctors as well as experienced DX operators.

Target dates for the operation are from VP8SGI, South Georgia from 23 November to 10 December, and from VP8SSI, South Sandwich from 26 November to 7 December. QSL Manager (and contribution manager) AA6BB.



K6IR and KØIR Discuss Plans for the DXpedition

It appears the ZA DXpedition continues to be postponed.

Ken - K6IR

National Capital DX Association

Meetings:	Irregular. Contact the Secretary for information.
On-the-Air:	Every Sunday at 8:30 p.m. on 147.420. All are welcome.
Information:	Ralph Bates, K1ZZI (703) 237-0321

At the NCDXA meeting on October 6, the following officers were elected:

President: Dan Szymanski - K3SKE
Vice Pres: Nancy Draheim - NK4U
Secretary: Paul Van Der Eijk - KK4HD
Treasurer: Henry Herman - W3UJ

The NCDXA Christmas Party will be at the home of Dave and Marlene Hammond - WC4B/KB4FAS on Saturday, 15 December. The time has not been set yet - probably 4:00 p.m.

Ken Miller - K6IR

Ole Virginia Hams Amateur Radio Club

Meetings:	Third Monday of each month, 8:00 p.m. Northern Virginia Coop Building 10323 Lomond Drive, Manassas, Virginia
Repeaters:	Voice - WA4FPM 146.97 and 224.66 Digipeater WA4FPM-1 145.09 Digipeater WA4FPM-3 223.40
Net:	Each Thursday, 8:00 p.m., 146.97 and 224.66
Information:	Harry Vorhauer - W4PVA 703-368-6050 Steve Frick - N4OGR 703-361-0008 or Metro 690-6547
Mail Address:	Ole Virginia Hams ARC, PO Box 1255, Manassas, VA 22110

Novice classes are being held in Manassas at Stonewall Jackson High School on Tuesday nights at 8:00 p.m. in room 3B. For additional information, call Dick Miller, WD4AZG, phone 703-791-3839.

Leroy, N4ANW, was operated on at the Fairfax Hospital recently. He is up and enjoying visits from his family. He has further surgery scheduled for the future. Best wishes for a speedy recovery, Leroy!

Prince William County Disaster Exercise

Prince William County recently held a simulated chlorine spill. The Red Cross called on Amateur Radio for help with communications. No evacuation took place as would have been the case if the disaster had been real. An emergency shelter, however, was opened at the Botts Fire House in Woodbridge. Communications were established between the Red Cross Disaster Headquarters in Dumphries and the Red Cross Chapterhouse in Manassas.

Harry (W4PVA), the Prince William County coordinator for the Amateur Radio Emergency Service, called the Woodbridge shelter from the Dumphries Red Cross Headquarters. Harry then accompanied the Red Cross Disaster Chairman to the Woodbridge shelter. During the exercise, an additional shelter was opened in Dumphries. The Red Cross in Dumphries then notified Red Cross Headquarters in Manassas of that event by landline. The Red Cross Chapterhouse in Manassas has installed a two meter antenna for emergency use. Via the two meter band, using the Manassas repeater, the Chapterhouse notified the Disaster Director of the situation. This communication, by ham radio, succeeded in getting the information to the Botts Fire House a half hour before the official communication arrived (also by radio). This, of course, made a considerable impression on the county authorities about the communications abilities of ham radio.

The participants in this weekday activity were Harry - W4PVA, Glen - WA1FXX, and Dean - WB4EIY.

Mike - N4REI

The Auto-Call booth attracted some young Novices at the Gaithersburg Hamfest. In the foreground is Rachel Skolnik - KC4SLO (daughter of KB4LCS) and Alicea Ardito - KC4SLP (sister of 12 year old Aaron - KB4PSA who was licensed at age of 10). Rachel is nine years old and Alicea is 10. Both of them are active on CW. In the background is the hard working team of Auto-Call Circulation Manager John Swafford - W4HU and his wife, Ann.

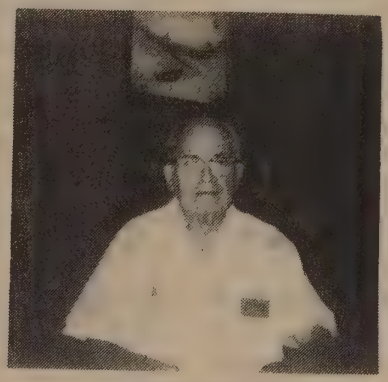
Metropolitan Communications Network

Meetings:	Quarterly, on the second Sunday of the month. Time and place to be announced.
Repeater:	N3AGB/R, 52.250 MHz in; 53.250 MHz out.
On-the-air:	Saturdays at 1900 hours local.
Mailing:	Bob Sporn - WA3GGO, 9927 Cottrell Tr, Silver Spring, MD 20903
Information:	Bob Sporn - WA3GGO (301) 434-1719

At our September meeting, Edward Sincavage - KA3TJI was unanimously elected Vice-President for the remainder of 1990. He will replace Franklin D. Hipsley - WA3ZAR who is completing the unexpired term of President Rudy Williams - W3UBZ who became a Silent Key last March.

President

Frank Hipsley, WA3ZAR



Secretary

Robert Sporn, WA3GGO

Treasurer

Richard Logan WB3EPX

The Nominating Committee, consisting of Lucas Hoska - WA3UEA, Chairman and Chris Kushay - KA3LJR have prepared a slate of candidates for office for 1991. Elections will be held at the December meeting.

Please note that when we return to Eastern Standard time the third week-end in November the Saturday night FM net will meet at 1900 hours local time.

TECHNICAL COMMITTEE REPORT: It was reported that we have received permission from the Alexander Graham Bell Telephone Pioneer's Club to tie in with their repeater - W3JSM on 147.36 MHz. This repeater has five receiving sites.

THE SUNDAY MORNING COFFEE NET (50.4 MHz) AM AT 0900 HOURS LOCAL. The number of check-ins has increased, ranging from Huntington, Maryland to the South, and Bowie, Maryland to the north. Stanley F. Brigham - W3TFA surprised us with greetings to yours truly upon my recovery from recent heart surgery. Stan has worked 15 countries on six meters and needs only three more states to earn WAS on six meters.

MARYLAND FREESTATE SIX METER SIDEBAND NET (50.125 MHz) SUNDAYS AT 1900 LOCAL. Chris Kushay - KA3LJR is Net Control for this net. Chris reports excellent participation with a growing number of check-ins - AM, FM, Sideband. Join us on six meters.

Bob - W3GGO

Prince George's Wireless Assn.

Meetings:	First working Tuesday of each month, 7:30 p.m., American Red Cross Service Building, 6206 Belcrest Road, Hyattsville, MD 20782
Club Station:	K3CEZ
Mailing:	4109 Kennedy Street, Hyattsville, MD 20781
Information:	Frank Holton, WA3ZMW (301) 927-1245

The Gaithersburg Hamfest turned out to be a plus for the Prince George's Wireless Association members. We had a table at the Hamfest and, with the help of about a half dozen members, we were able to move along some of the club's excess gear.

Frank - WA3ZMW, Hersh - W3SWD, Les - WA3NGF, Charlie - KA3COT, Ken - N3HLY, helped to transport the gear and man the table. Many thanks to all the members who helped with the table and for the equipment they donated to help out the club.

The club is now upgrading the 2-meter capabilities after getting HF and antenna system in good working order.

Hersh (Dan) Miller - W3SWD is now working to set up a simulated emergency test. The exact date will be announced after the next meeting.

The last emergency test simulated a flood situation where many people had to be evacuated and put up in shelters. These tests are worked out on ARRL approved Red Cross message forms.

Ken Easton - N3HLY

Metrovision
FAST SCAN - COLOR - ATV

Meetings:	Quarterly: Call for next meeting time and place.
Repeater:	WA9GVK/4 (Video and Audio) 425-431 MHz in; 438-444 MHz out Also accessible on 144.970, simplex, audio.
On-the-air:	Sundays at 8:00 p.m.
Mailing:	Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041
Information:	Dick - WB3EPX (301) 439-8135 Gene - AD3F (301) 774-5307

Ken - W3DFS points out that when you design and use a graphics display for ATV, it is always better to have a darker background with lighter lettering and objects. This will provide a much better display of the characters by making them much easier to read, especially when one's signal strength is down.

We encourage our members and friends to use the new 900 MHz link on the receiving end of their video. The results on 900 MHz are quite spectacular, and it only takes a 900 MHz receive unit and antenna to get started. One of the best advantages is that you can see what your transmitted picture will look like to the repeater.

As far as Metrovision is concerned, the Gaithersburg Hamfest went quite well. We want to thank Ruth - K3AGR, Dave - W3PJM, Ken - W3DFS, Bruce - WA9GVK and the others who either manned the table or otherwise participated in the event. We were able to collect some dues and some donations as well. These donations will help to improve the capabilities of the 400 MHz repeater.

On the personal side, we want to welcome back to the Sunday night ATV net Bill - N3DCI. We also want to wish a belated happy birthday to Maurice - WB3FGP.

Dick - WB3EPX

Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

Meetings:	4th Wednesday of each month, 8:00 p.m. at Capitol College on Springfield Road, Laurel.
Social:	2nd Wednesday of each month except December. (Call for directions.)
Nets:	1st & 3rd (5th) Wednesday of each month, 8:30 p.m. on 147.54 simplex.
Mail:	P.O. Box 3039, Laurel, MD 20709-0039
Exams:	4th Saturday of each month, 10:00 a.m. at Maryland Radio Center.
Information:	John - W3GFS (301) 490-5286 or Pud - W3DQI (301) 498-6293

The Laurel Amateur Radio Club is active in the Laurel area, which we think generically includes most of Northern PG County, as well as surrounding areas. All Amateurs in "our neighborhood" are welcome to participate in LARC activities.

On September 22 the LARC provided communications again for the Pallotti High School Invitational Cross-country run. Almost 1400 runners from over 70 high schools from four states competed. The course was very muddy, which contributed to sending nine runners to the hospital for running related injuries. Besides having hams at the start and finish line, we had HTs at strategic spots around the course, and also two hams on motorcycles following the last runner or, in case of injury, staying with the fallen competitor until help was available. All in all, a good day for the runners, and a good day for Amateur communication.

Our Novice class stared on 20 September with twelve students in attendance and at least three more were expected join the next week. W3DQI and KA3UZI are principal instructors. Final exams are scheduled for right after Thanksgiving. Hopefully, licenses will arrive in time for Christmas and everyone will be ready to upgrade in time for the February-scheduled General/Tech class.

Elections for LARC will be held at the October meeting, and installation will take place at the early December Christmas and installation banquet. Since the banquet takes the place of both the November and December meetings, anyone not able to be at the October meeting should contact John or Pud (listed above) for information. The banquet will be at the Brass Duck in Laurel on December 7.

One of our own has made it "big time" and been elected to manage the Maryland Emergency Phone Net. Congratulations to George Korper - WD3W (ex N3GPR) who replaces K3RXK. George will also be a key component of the MEPN's SET exercise.

Our VE teams have been super active lately, too. We tested 40 folks at the Gaithersburg Hamfest, giving over 65 elements. We even had a UB5 breeze through the code test at twenty. Later in the month at MRC we tested another 40 aspirants with about 63 elements. The VEC has announced that, beginning next year with the January testing session, we will be testing on the THIRD Saturday of each month, vice the current fourth Saturday. This removes conflict with some contests, Field Day, Thanksgiving, and a few more.

For information on local club events, give a call to John or Pud or drop a note to the club address. Or, if you suffer from insomnia, give a shout on the club frequency of 147.54 any night after 9:00 p.m., and add some social grace to the cacophony which is (sometimes) present.

Pud - W3DQI

Society

Of Wireless Pioneers

THE INTERNATIONAL ORGANIZATION

OF PROFESSIONAL RADIO TELEGRAPHERS

WM J BROWN, SEC 365-2049

Mt. Vernon Amateur Radio Club (MVARC)

Meetings: Second Thursday of Each Month, 7:30 p.m.
Mt. Vernon Governmental Center, 2511 Parkers Ln., Alexandria
Repeater: WB4PDP/R 146.055 input 146.655 output
Nets: Every Tuesday at 8:00 pm (0100 UTC Wednesday's)
Starts on 2-meter then moves to 10-meter on 28.405
Information: Chris Morrow, W4WYL (703)765-5964
Training Classes: John Forrest, NZ4A (703) 971-3905
Mailing Address: c/o Chris Morrow, W4WYL, 7408 Recard Ln., Alexandria, VA 22307

THANK YOU, Norbert Hankin, for the August program about the effects of electromagnetic fields. We really appreciate your informative talk. For September, we were scheduled to hear about scuba diving around Japanese wrecks, but a last minute emergency postponed the presentation until November. The members enjoyed a long social hour instead of a formal talk - it was a great opportunity to get to know each other a little better!

WELCOME to new club members - Bill Truxall KB4WTK, Joe Roberts N4WQC and Rick Stockstill KC4REW. To our August visitor, Richard Barnes, a warm MVARC welcome - we hope to see you again.

SUPER NEWS: our newest family members passed their Novice exams in August - CONGRATULATIONS to 7-YEAR OLD Luke Ward KC4TFL and his dad, Keith KC4TAN (formerly KN5YFP). IT DOESN'T STOP THERE...on October 6 Luke and Keith passed their Technician exams...CONGRATULATIONS AGAIN FELLAS! ARRL informs us that Luke is one of only three 7-year old novice licensees and there is no one that age holding a higher class license. (See the feature story on page 7.)

THANKS are due to many club members: Steve WB4EEA and Paul KC4GCQ helped at the Wolf Trap Children's Festival 9/1; Tom N4BV and Kreiger N4HAM helped at the wheelchair race 9/2; George WA2TKO, Frank N4GUS, Fred KA4TZL, Loyd K8EI, Dave KD4SV, Dave N4YPR, John KI4HK and Steve WB4EEA helped announce at the Gaithersburg Hamfest 9/9. PARTICULAR THANKS are due Mary N4TCI for setting everything up for the club at the Gaithersburg Hamfest.

The annual MVARC Novice/Technician class started on 9/10. Another class is planned to begin in January 1991 - probably advanced/extra. MVARC has been asked to participate in the West Potomac High School Fall Fest again this year. The Christmas party has been set for 12/13 at the Woodlawn Country Club. We are having a busy Fall!

My personal THANKS go to Dave WA1LBP for submitting an article for the October Auto-call.

November's program is the postponed September one - Paul Edwards, a DC scuba diver, will present slides and a discussion about dives into several Japanese World War II ships. He has photographed radio equipment and brought some relics up from these wrecks. It still sounds like one you don't want to miss...join us on November 8!

Marci, KM4VM

More Speakers Available

The Washington Post Newspaper is providing a Speakers Bureau of "interesting and informative Post people who can speak to your group on just about anything!" And, here's the best part, it doesn't cost a single cent. If your club would like more information, call the Speakers Bureau at the Washington Post Public Relations Department (202) 334-7969.

(Thanks to W3ABC via WA3SCW)

Arlington Amateur Radio Club

Meetings: Third Tuesday of each month at 7:30 p.m.
Arlington Red Cross Chapter House, 4333 Arlington Blvd. (Rte. 50)
Net: Tuesdays (except meeting nights) at 7:30 p.m. on 144.87/145.47 MHz FM
Info: Craig Church, N4EFJ (703) 979-8325

September Meeting

At the September meeting, N3HXU demonstrated his homebrew J-pole antennas, some designed for 2-meters and others for the 70-cm band. A special thanks goes to Hunter, who donated four of the 2-m models to the club.

Bill - KM4DN, who demonstrated a homebrew spectrum analyzer system that Bill showed might be very effective in nailing jammers. The system, which permits the "fingerprinting" of signals, could prove quite useful in catching a cheesecake or two.

Green Light for W4WVP Tower

Craig - N4EFJ announced on the October 2 Arlington Net that Arlington County had issued a construction permit for the tower the club proposed to erect at the Arlington Chapter house of the American Red Cross for the club station - W4WVP. If you're interested in helping out, please contact Craig. We'll need help with digging, pouring concrete, erection, etc. Come one, come all.

Exam Session a Rousing Success

Organized by Jim - KM4XG, the first-ever amateur radio license exam session administered by ARRL/VEC-accredited VEs in the Arlington ARC proved extremely successful. Of the 15 applicants who attended the session, 12 upgraded their licenses. Of this group, two passed their novice examinations. A special thanks to Bo - N4VEC, who provided the Ballston Commons office suite for the exam and did yeoman's service in seeing that the event was the huge success that it turned out to be. Likewise, congratulations to Joe - AB4RA, Mike - NW3V, Peter - WB3KQM, Craig - N4EFJ, Dennis - W4PWF, and Rick - N4ASX for their assistance.

National Airport Disaster Drill

During the morning of September 22, Washington National Airport conducted a disaster preparedness drill to test and enhance its ability to cope with an aircraft accident resulting in many casualties. The scenario comprised a Boeing 727 crashing on takeoff, leaving approximately 120 simulated victims, many of whom exited the plane via escape chutes. Pretend injuries and smoke bombs detonated around the crash site heightened the realism.

The Arlington Chapter of the American Red Cross was asked to provide twofold support for the exercise by canteening drill participants, including victims, fire and rescue workers, and many dignitaries and observers, and by providing victims with transportation to and from area hospitals.

The Chapter also elected to practice its own emergency skills by establishing a relief shelter at Thomas Jefferson Community Center and by sending teams to several hospitals to collect disaster welfare information.

Arlington ARES was requested to provide radio communications for the chapter activities; ARES support included six vehicles, a station at the TJ center, and a net control station at the chapter house. Liaison with Alexandria Hospital was also provided on request. Operation was on 144.87/145.47 MHz via the N4EFJ/R repeater and was conducted entirely with handheld radios, except for the net control station.

The Red Cross was very pleased with ARES performance and expressed its gratitude to those who contributed to the 6-hour effort: KE4CX, N6JWN, KM4XG, N4LBL, W4LMW, N4QOS, N4EFJ, N4BYF, N4ASX, and N4HCP.

Continued on page 44)

QCWA - Vic Clark Chapter

Meetings: Approximately every-other month, alternating Wednesday dinner meeting and Saturday luncheon meeting at Falls Church S&W Cafeteria
Information: Lew Bradley, W4SWP
Jack Kelleher, W4ZC (301) 924-1605

Just a few words to let you know what is going on with the Vic Clark Chapter of QCWA. We had a great time this summer with about 40 present at a picnic/meeting at the home of Ethel Smith - K4LMB. Among the guests were Harry Dannals and his YF. The Fall meeting was held on September 15 at the usual meeting place, the S&W Cafeteria in Falls Church, VA. We had 16 members present and a good program put on by the Chapter Vice President, Jack Kingman - W4JT. Jack brought in an old Navy receiver that dates back to 1922. Jack had restored the receiver to its original state and explained how he had done this, as well as some good stories about the problems of getting parts and valid schematics of the circuitry.

One item of great interest is the creation of a Chapter Sunday morning on-the-air meeting which will be held at 0900 hours local, using the Fairfax City Repeater 146.790 Hz. The first meeting was held on Sunday 16 September and will be held every Sunday from now on. This idea came from Jim Wilcox - K4JAP who will act as net control and make arrangements for the use of the repeater. All chapter members are urged to become active.

The next meeting will be the traditional joint meeting with Chapter 10 of the SOWP. This annual Christmas time meeting will be held at noon on Saturday the 15th of December at the Tyson's Corner Ramada Inn, located at Interstate 495 and Route 7. This should be a great meeting and an all-out attendance is urged. Harry Dannals - W2HD has agreed to be the principal speaker.

One item of interest, and a source of pride for the Vic Clark Chapter, is the fact that three members of the Chapter are officers in the National QCWA. John Swafford - W4HU is National Secretary, and Jack Kelleher - W4ZC (our current Chapter President) and Stuart Meyer - W2GHK are National Directors.

Lew Bradley - W4SWP

Arlington Amateur Radio Club - Continued

The OFR Challenge

The ARRL will sponsor its Sweepstakes Nov. 3-4 (CW) and 17-18 (phone--see QST, Oct. 1990, p. 93). To promote competition by club members, Frank - WB8OFR has issued the "OFR Challenge:" He will award a free dinner at any restaurant in the Washington area to the top scorer in each session of the contest. To qualify, simply submit your log to the ARRL, designating on the form that you are offering your score in support of the Arlington ARC, and you're all set. Please submit a second copy of your log to Frank - WB8OFR before December 1, so that he can determine the winners.

As an added attraction, Frank is offering free pizza and beer to each Arlington club member who makes at least ten contacts in either the CW or phone sweepstakes contest. Arlington ARC members in good standing on November 1, 1990, may qualify for either award by operating either alone or as a group at the club's station - W4WVP. Good luck to all!

Frank - WB8OFR and Mike - NW3V

Maryland Emergency Phone Net

Meetings: Every night, 3920 kHz, 1800 local time (All are welcome)
Net Manager: George Korper, WD3W
Secretary: Robert Roberts, K3ONU
Treasurer: Rino Masso, KC3ZJ
Directors: NF3X, W3DQI, W3LDD; WA3YLO (Alternte)
FAR Representative: KC3ZJ

The Maryland Emergency Phone Net (MEPN) is a club, a member of the National Traffic System (NTS), and meets every night on 3920 kHz at 1800L for the purposes of training operators in net procedures and traffic handling; to handle traffic for Maryland and the District of Columbia; and to establish communication links in these areas so that, in the event of an emergency requiring Amateur Radio communication assistance, the MEPN will be prepared to exercise these links until the emergency subsides.

All Radio Amateurs are invited to participate in the MEPN, and those wishing to join the club and receive the monthly bulletin and roll call sheet should contact either WD3W or K3ONU. Yearly dues are $7.00 and there are currently 65 members.

First of all, a very sincere "thank you for an excellent job" to Tony Curtis - K3RXK, who has resigned as net manager due to other personal commitments. Tony took over about two years ago and really got things organized for us. He added a new dimension to our MEPN Newsletter and his general leadership of the net kept things going over a few rough spells. Tony, we will miss you, and we hope you can get back with us when (and if) things settle down with your new responsibilities.

At the same time, we welcome George Korper - WD3W (ex-N3GPR) to the job of net manager. George has been in MEPN for almost one year and is very involved in all aspects of the net . . . being one of the most active in the packet side of traffic handling. At this writing, he is actively organizing our SET involvement. We wish you good luck as manager, George, and thank you for stepping in at this time.

We had a very large and active meeting at Gaithersburg. NF3X and KC3ZJ called the meeting to order. The first order of business was to elect a director to replace out-going director WA3YLO. Thank you, Tony, for your outstanding job as (to list a few) Director, Net Control, and MDD rep. As we relegate you to the spot of alternate Director, we welcome back to directorship the emcee of the MEPN pre-net, W3LDD. Walt is also active in non-net business. . . he has worked all counties three times and is currently applying for his endorsement for 316 countries on the DXCC rollcall.

The MEPN is planning to be very active during the Simulated Emergency Test scheduled for 20/21 October. No one is saying what the plot is, but all indications are it will be a busy weekend. We have heard that KJ3E is planning some real, live messages from some of the nursing homes around the state, so packet traffic will be flying, also. SET plans to really exercise the system this year, and MEPN is ready, willing, and anxious.

Finally, we still need some volunteers to meet the Third Region net at 1615 local, daily. This net meets on 3913 kHz and is generally the input for traffic to the MEPN 6:00 p.m. session. If you can afford at least one day per week, check it out! The third region net meets for about fifteen minutes; MEPN is generally over by 6:30.

See you ON THE AIR!

Pud - W3DQI

New 10 Meter Net

Arlington Top-Ten Net meets every Sunday, 0900–1030 & 1900–2000 Local. 29.2000 MHz, USB. Net Control AB4YP. 10-10 International wants hams to start making more use of the high end of 10 M. We'll be looking for you next Sunday.

Jim

Anne Arundel Radio Club

Meetings:	1st and 3rd Thursdays at 8:00 p.m. Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.
On-the-air:	Thursdays when there is no club meeting. 2030 Local on 147.705/105 Tuesdays at 2030 local time on 28.410. The Chesapeake Bay Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15. Maryland Slow Net (MSN) every evening at 1930 on 3.7170 MHz W3VPR Packet Bulletin Board on 145.09 MHz. W3VPR Packet Bulletin Board on 223.40 MHz
Address:	P.O. Box 308, Davidsonville, MD 21035
Information:	Margaret (Holly) Bevan - N3BMB (301) 923-0229

At the September 20th Club meeting Nancy Alley - NT3Z, County Emergency Coordinator for ARES (Amateur Radio Emergency Service), explained the difference between ARES and RACES (Radio Amateur Civil Emergency Service) and discussed how they can work together. Nancy pointed out that anyone wishing to help out with communications during emergencies should sign up with both groups and get training. Otherwise, they might not be permitted to enter restricted areas to take art. ID cards with pictures are now given out to members of ARES and RACES.

John Reiser - WQ4L of the FCC will be the guest speaker for the November 1 Club meeting. The business and program meetings for November will be reversed to accommodate the speaker. The program meeting will be on the 1st Thursday and the business meeting will be on the 3rd Thursday.

Mr. Reiser will describe many of his field experiences with unusual sources of interference, unauthorized transmitting stations and other violations of law and FCC rules. He has been on the FCC staff since 1961 and is currently on the International Negotiations staff of FCC's Mass Media Bureau, working on international broadcast standards.

A "good turnout" of Club members spent an enjoyable afternoon on September 8th at the Club's annual family picnic. This event is one of two meetings during the year dedicated to the families of members. The other is the annual Christmas Party on the 3rd Thursday of December.

We regret to report that George Schmitt - W3NAE suffered a stroke on September 19th. George is one of the charter members of AARC. The prognosis for recovery of mobility is promising. Send cards to Room 316B, North Arundel Hospital, 301 Hospital Drive, Glen Burnie, MD 21061.

Carole Connolly - KA3WPT has upgraded to Tech. Craig Ryder is now answering to N3ILT. He was formerly KA3VBU.

Margaret (Holly) Bevan

SERVICE
While U Wait
commodore
64/128/1541/1571 AMIGA 500
Authorized Service Center • In & Out Warranty
10% discount on repair with this ad,
13646 Jeff Davis Hwy.
Woodbridge, VA 22911
491-6502 643-1170
MWF 12 - 8 TT 10 - 5 Sat 10-4
Virginia Micro Systems

Southern Maryland Amateur Radio Club

Meetings:	2nd Friday of each month at 7:30 p.m.
	Church of the Nativity, 5203 Manchester Drive, Temple Hills, Maryland.
Nets:	Tuesdays at 8:00 p.m. on 147.75/15 Repeater
	Thursdays at 8:00 p.m.on 28.447 USB
Packet:	WA3TAI full service PBBS in Ackokeek, MD 145.03 & 446.075
	SMD (WA3TAI-5) NET/ROM Node in Ackokeek, MD
Repeater:	W3PT/R 147.75/15, Cheltenham, MD. Autopatch to 911
Mailing:	P.O. Box 273, Cheltenham, MD 20623
Information:	Vic & Linda Curtis, WA3YUV & KA3VNI (301) 888-1388

HISTORY IN OUR OWN BACK YARD! In December 1900, the very first voice signals over radio were sent and received at Cobb Island, a small island in the Potomac river at the south-east corner of Charles County. A historical marker plaque entitled "Milestone in Radio History" marks the location of one of the two stations used.

In December 1900, two professors from the Western University of Pennsylvania (now U. of Pittsburgh) sent and received from the island the first voice radio signals between two stations, a full year before Marconi sent the letter "S" across the Atlantic.

According to research done by N4ITE, the two men, Reginald Fessenden and Frank Very, were working on a project for the weather bureau to develop a radio system to improve weather forecasting. Since they needed a location in which they could carry out their work in secrecy, they chose Cobb Island, where some of Mr. Very's relatives had a summer home.

Next month will mark the 90th anniversary of this event, and SMARC will commemorate the occasion by running a special event station at the site of these historic experiments. The present owners of the island home, Charles and JoAnn Chapman, have graciously offered to help us with this event. On December 1st and 2nd, special event station KF3T will operate from Cobb Island. Look for us in the General phone bands on 75 through 15, Novice phone band on 10. A handsome certificate will be available (SASE, please). Many thanks to Bill Rogers, N4ITE, for doing all the research and legwork on this project.

Other recent SMARC operating events have included JOTA stations at Boy Scout Camporees for two local Boy Scout councils set up at Andrews Air Force Base and in Cheltenham, MD, and special event station W3USS operating on St.Clement's Island for the Blessing of the Fleet in October.

A September fox hunt was won by the WA3YUV - KA3VNI team. They found KD3FO and N4QWK hiding out in Temple Hills less than 25 minutes after the start of the hunt. By the time this issue is out, they probably will have been the fox on our next hunt which is liable to happen any weekend. These things aren't regularly scheduled events (yet) but take place on Saturday or Sunday afternoons. All are welcome, and beginning hunters are especially encouraged. N4ITE found the fox using only a Radio Shack scanner with a rubber duck antenna, so you don't need a monster doppler-scan array to participate. Check our nets or the WA3TAI PBBS for info on the next hunt.

SMARC's resident "indoor DX'er", NT3P, has finally made DXCC with his indoor dipole. Don reports 160 worked and 108 confirmed using the dipole in his attic. QSO's were made on both phone and CW with less than 100 watts output.

The new Novice class is going strong with 18 hopeful students trying to figure out what WA3YUV and KF3T are talking about every Monday night. Look for a batch of new KA3's to invade the Novice bands soon.

Our November meeting program will be on packet radio, presented by KF3T

(Continued on page 48)

Fauquier Amateur Radio Club

Meetings:	Second Tuesday of each month, 7:30 p.m. Shadow Lawn Center, Warrenton, Virginia
Repeaters:	147.165 Voice, 145.070 Packet
Net:	Each Wednesday, 9:00 p.m., 147.165
Information:	Bob Taylor, KC4CVG. (703) 439-2786 (H) (703) 642-6070 (Work)
Mail Address:	Route 1, Box 445, Amissville, Virginia 22002

Twenty-five members and guests attended the 11 September Fauquier Amateur Radio Club meeting. The evening's guest speaker was Bill Moneysmith - W4NFR who gave an interesting presentation to include an operational demonstration on the design, building and operation of QRP equipment and portable antennas.

Bill brought to the meeting his typical 40 meter suitcase portable QRP rig, complete with vertical antenna. The 40 meter QRP 5-watt transceiver is of original design and includes a SWR meter, RF and AF gain controls, 800 Hz CW filter, full bandspread, and with full break-in keying capability. The transceiver is powered from a 12 volt 1.2 amp DC battery source which is fitted into a battery compartment in the transceiver. The design and craftsmanship of the transceiver was of exceptional quality.

Bob Taylor - KC4CVG led a team of seven club members on a VHF transmitter area coverage test for the Fauquier County Parks and Recreation Department on 22 September at Crockett Park. The feasibility test was conducted at the request of Fauquier County officials in preparing for possible emergency situations in the park requiring communications via VHF radio.

The initial class of the FAR fall Novice class license training program was conducted at Vint Hill Farm Station on 26 September with three students in attendance. The training classes will continue over the next nine weeks. Bill Mills - KC5PF is the class instructor.

Bill Mills - KC5PF

Southern Maryland ARC - Continued

and will include information of interest to the beginning or prospective packeteer. Those of us who think we already know what its all about stand to learn a lot as well; Lee is quite a whiz with computers and digital communications. December will bring the traditional SMARC Christmas dinner at Stoney's restaurant in Clinton - an event not to be missed. Aside from eating, drinking and being merry, the Christmas dinner is when we officially install and start harassing our new club officers. December's meeting program will be provided by Messr's Beam, Daniels, Walker, et. al.

The new Motorola repeater has arrived and is being drooled over and readied for interfacing with our controller by the repeater committee. As soon as Cell-Wave sends us the new duplexers, everything will be installed at the site. Next month I should be able to report on the successful performance of our new machine.

KO7V

SHACK SALES

Noncommercial advertising of Amateur associated equipment is available to subscribers of AUTO-/CALL at a rate of 3¢ per word -- with a $1 minimum. Commercial vendors and nonsubscriber rate is 17¢ per word - with a $5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Estate sales for Widows Assistance handled by a FAR club will be published without cost. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 5th of the month preceding publication.

WIDOW'S ASSISTANCE
Estate of Dick Lynn, AF4W
TEN-TEC HERCULES Amplifier #444 with Power Supply #445 . . . . . $950
FREQ.CTR. MAX.100 with Prescaler RF-221 . . . . . $100
CAP.MTR. CSC #3001 . . . . . $150
"WORDS-PER-MINUTE" Meter . . . $75
COMPUTER PATCH, AEA CP-100 . . $200
KEYBOARD, MICROLOG AKB-1 . . . $200
All Prices OBO
Bill Miller - K4MM (703) 978-4020, Fairfax Station, VA 22039 (FAR-11)

COLLECTOR'S DREAM
Complete 74 year Collection of QST
From Issue one
Excellent condition
Minimum offer $3,000
Phone K6IR (301) 774-7709
16904 George Washington Drive
Rockville, Maryland 20853-1128
(12)

WANTED: HEIL BM5K Boom micophone. Single headset for Kenwood. Also 1980 U.S. Callbook. Greg - KA3DBG (301) 946-6460, Rockville, MD. (12)

WANTED: Schematic/service manual for SR-C826M Standard 2M FM Transceiver. Will pay reasonable amount for copy. Roger Kaul - K3TM (202) 394-1403 during working hours. Olney, MD (11)

FOR SALE: Sure Microphone Model 444-D $45
MFJ Electronic Keyer Paddle (Never used) Model MFJ-422-B; with a KØBEJ plexiglass cover $100
Ray Peterson - K3TKK, 712 Vermont Avenue, Salisbury, Maryland 21801 Phone (301) 742-6003 (11)

Need antenna or tower work done?
Call L. Chertok - W3GRF.
(301) 297-4888

WIDOW'S ASSISTANCE PROGRAM
Estate of Issac Pickell, W3PPQ
* HEATH SB101 Transceiver . . . $100
* HEATH SB200 Amplifier . . . $100
* HEATH SB610 Monitor Scope . $75
* HEATH HN31 Cantenna Dummy Load$20
* HEATH RF Signal Generator . $15
* EICO 232 VTVM . . . . . $ 5
* HAMMARLUND HQ140x Rx Make Offer

Call Mrs. Florence Pickell (301) 933-0539, Silver Spring/Wheaton (11)

WIDOW'S ASSISTANCE PROGRAM
Estate of John Abel, K4AM
Several items remain from October ad, including Yaesu 221 VHF Transceiver, KLM Tri-bander KT-34A. Call Widow's Assistance Program
Bill Getchell, W4LRD (703) 536-5994, Arlington, Virginia (11 FAR)

FOR SALE: TEN-TEC Model 546 Series C (Omni-C) with all filters, Model 234 speech processor, Model 243 remote VFO, Model 255 Power Supply.
All in mint contition.
Package deal only $890
N4FG, 8809 Stark Road, Annandale, Virginia Phone (703) 503-9844 (11)

FOR SALE: Simple Ham Radio Transmitters, Receivers, and Antennas, etc. you can build from junk parts or most under $5.00. Send a SASE for FREE LIST
Jim Braddy, WA4DSO; 3037 Audrey Dr. Gastonia, North Carolina 28054 (11)

FOR SALE: Five (5) TELEVIDEO CRT/Keyboard terminals with standard ASYNC, RS232 interface. Great for packet radio or other "dumb" terminal applications . . . $50 each
Call Bob - K4MJO, (703) 620-3446, Vienna, VA (11)

NORM'S ROTOR SERVICE
Rebuilt Rotors, Parts & Service
Call Norm Jeweler - K3LYW
5263 Agro Drive
Frederick, MD 21701
(301) 874-5885

G AND G ELECTRONICS
OF MARYLAND

8524 DAKOTA DRIVE, GAITHERSBURG, MD.
Zip 20877

WANTED
FOR
CASH!

USED Ham Gear, Test Equip. and Junque Boxes

G&G ELECTRONICS OF MARYLAND
JEFFREY GOLDMAN
8524 DAKOTA DRIVE (301) 258-7373
GAITHERSBURG, MD 20877

548

March 1 19 87

65-7198/2550

PAY TO THE ORDER OF John Q. Amateur, WA4XYZ $ 500.00

Five Hundred and 00/100 ---------- DOLLARS

CHEVY CHASE SAVINGS AND LOAN, INC.
CHEVY CHASE, MARYLAND 20815

FOR Used Equipment

==== SAMPLE =====

⑆255071984⑆ 0548

We've got one for you!

HOURS: MON & TUES 11 AM TO 9 PM
WED 11 TO 5 & BY APPOINTMENT

258·7373

SHACK SALES

WORLDRADIO, Amateur Radio's monthly newspaper can be delivered to your doorstep for only $13 per year ($23 overseas). Get the latest on how your fellow amateurs use their hobby to help others. Regular features are Contest & Hamfest announcements, Aerials, Amateur Satellites, Digital Bus, DX World, Search & Rescue Communications, FCC Highlights, Mobile, New Products, Propagation, QCWA, QRP, Six Shots!, Station Appearance, Traffic, VE Exams, 10-10 International News. Send your subscription to WORLD-RADIO, 201 Lathrop Way, Ste. D, Sacramento, CA 95815. (Swp)

FOR SALE: Book describing the history of Amateur Radio as experienced by Don Wallace, W6AM. Written by Jan D. Perkins, N6AW. 350 pages, hardbound - $19.95 pre-publication price. Available from Wallace & Wallace 11823 Slauson Ave. Suite 38, SantaFe Springs, CA 90670

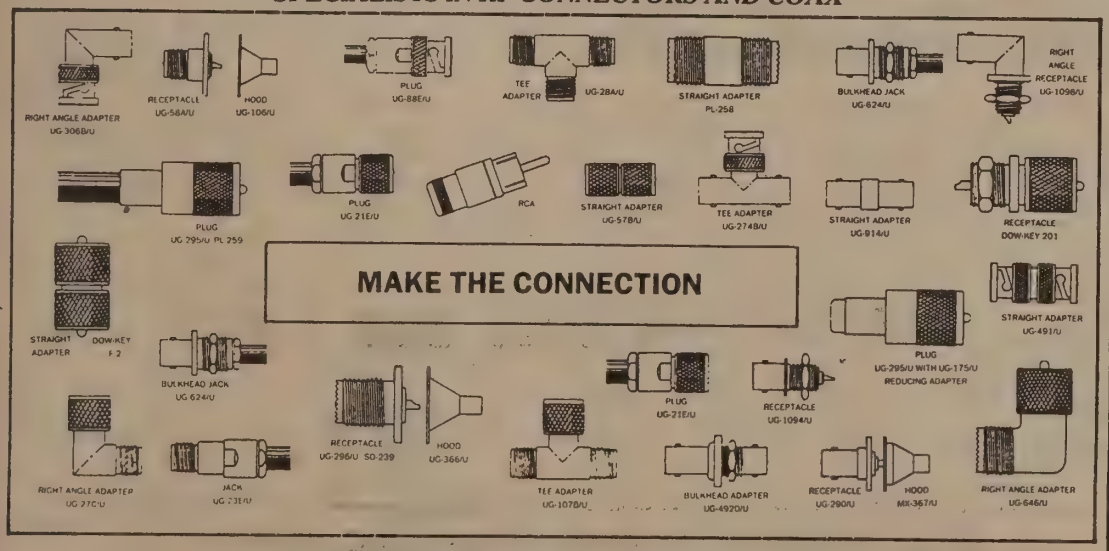
FOR SALE: 42 foot tower and 10-15-20 Hornet beam. Ready for pick-up. Good condition. $200 or offer. Tom - WA4YWV, (703) 667-0032, Winchester, VA (11)

WANTED: HAM EQUIPMENT AND OTHER PROPERTY. The Radio Club of Junior High School 22 NYC,Inc. is a non-profit organization, granted 501(C)(3) status by the IRS and incorporated with the goal of using the theme of ham radio to further and enhance the education of young people nationwide. Your property donation or financial support would be greatly appreciated and acknowledged with a receipt for your tax deductible contribution. As 1990 draws to a close, please look over whatever unwanted equipment you may have and call us. We will pick up or arrange shipping. You will receive the tax deduction, but most important, the privilege of knowing that your gift really made a difference in the education and upbringing of a youngster. Write us at: RC of JHS 22, P.O. Box 1052, New York, 10002. 'Round the clock HOTLINES: Voice (516) 674-4072, FAX (516) 674-9600 (11 Pd)

FOR SALE: HEATH HW-101 SSB Transceiver and power supply . $200 In perfect condition. Phone B. chmidt - KA3JZH (301) 384-2493, Silver Spring, MD (10)

The R.F. Connection

"SPECIALISTS IN RF CONNECTORS AND COAX"



The R.F. Connection
213 N. Frederick Ave., Suite 11, Gaithersburg, MD. 20877
301-840-5477

280

SHACK SALES

FOR SALE: KENWOOD TS-700A 2-meter multi-mode with all manuals . . $250
YAESU FTV-107R 2-meter and 70 cm transverter for the FT-757 . . $350
ICOM IC-490A 430 MHz All Mode Transceiver with manuals . . . $250
KENWOOD TH-21AT 2-meter mini HT with extra batteries & accessories . $200
KENWOOD TH-41AT 440 MHz mini HT with extra batteries $175
SSB Electronics Oscar Mode L (1269 MHz) transmit up-converter $100
Two (2) Down East Microwave 1269/1296 loop Yagis (unbilt) @ $75
Down East Microwave 2-port 1269/1296 power divider . . . $30
Contact Eric Rosenberg - WD3Q evenings at (202) 547-3441, Washington D.C. (11)

QTC

The story of a sea-going 'Sparks'

By Ray Redwood, KA5HCX

A thoroughly enjoyable and well written book recounting the many exciting moment in a "Sparks" professional and private life. It mixes a wealth of radio history with personal stories of rescues and mysteries of the sea.

$15 hardcover, $8.95 paperback
+ $2 shipping

Sequoia Press
2502 Cockburn
Austin, TX 78745

WANTED: Old, Odd and Foreign Bugs. Smiley - WB4EDB (703) 373-0996 Call collect or write PO Box 5150, Fredericksburg, Virginia 22043 (08)

FOR SALE: Cheap 160!
SWAN Model 175 SSB/CW 160-meter Single-bander with power supply $85
300 ft. hard-to-find #20 enamel covered magnet wire for "low-visibility" antennas . . $15
MFJ RF Noise bridge $19
KW 9:1 (50 - 450 ohm) Balun . $12
Motorcycle battery 1 amp charger $15
B&W Grid Dip meter $20
AM/FM Stereo $10
Transistor tester . . . . . $ 5
500' teflon-covered ant/radial wi$10
Individual items or deal for package. Jim Locke - W6NRJ (301) 977-8583 evenings or (301) 564-7629 days. Gaithersburg area (11)

"RADIO INSTALLATIONS"
Clean - Neat - Professional
If'n you want it done right call us.
Herm - K2LEQ/3
(301) 952 1414

JWO SERVICES
1991 CALLBOOK Pre-Published Special
ONLY $24.75 each (List $29.95)
if ordered by November 15th
North American or International
1991 ARRL HANDBOOKS
List Price $25
1-9 $22.75 10-up $21.25
Save on all AMECO, ARRL, CALLBOOK GORDON WEST, TI, etc.
JWO SERVICES
12 Hickory Place Camp Hill, PA 17011
(717-737-0850 Mastercard/Visa
Daily to 10 p.m. and weekend afternoons.
(C11)

WANTED For winter restoration project: Collins 32V, 75A, other black wrinkle Collins gear. RCA AR-88, tube era theater, studio, and home audio gear and speakers, broadcast quality audio Xmitters. Will pick up boat anchors.
Contact Joe - N4WQC (703) 683-2955, Box 19302, Alexandria, VA 22320.(11)

FOR SALE: RADIO MODIFICATIONS
The Southern Patuxent ARC has compiled a list of over 50 user capable modifications. These Modifications are available for HF "all frequency transmit" and VHF/UHF "frequency expansion." The cost is $1.00 per mod plus an SASE. Send SASE for radio list. Send to SPARC, 1445 Parran Road., St. Leonard, MD 20685 (C11)

Attention Amateur Radio Newsletter Editors. AMATEUR RADIO NEWS SERVICE is an organiztion of publishers and editors of Amateur Radio newsletters and members engaged in public relations. Its purpose is to assist editors in any way possible. For information, write to Lee Knirko - W9MOL, 833 Park Plaine, Park Ridge, Illinois 60068 (SWP)

Chevrolet
Chevrolet
Chevrolet
Chevrolet

N3GCV
DAVID J. HANBURY
New Trucks
Office: 949-2400
Home: 770-DAVE (8283)

Dick Stevens
10901 GEORGIA AVENUE
WHEATON MARYLAND 20902

SHACK SALES

Become a part of one of the country's fastest-growing vintage radio clubs. The Mid-Atlantic Antique Radio Club is an active group of radio collectors, restorers and historians. For a sample newsletter, write to Joe Koester, 249 Spring Gap South, Laurel, Maryland 20707. Phone (301) 725-4229. (Swp)

BARGAIN PRICES
$1.00 per column inch (usually about 33 words) for subscribers' Amateur related, noncommercial advertising.
ADVERTISE IN AUTO-CALL

WANTED: Manual for WW-II Signal Corps Keyer - TG34A - 914Z - CZJ 115-230 Volt. Original or copy. Nick Smith - W3FNU (301) 598-9795 Silver Spring, MD (11)

WANTED: U.S. Amateur Callbooks 1920 thru 1927 plus 1929, 1932, 1933, 1934, 1936, 1939, 1941 & 1945. Call Bob - W4JNN (703) 560-7161 or write Box 166, Annandale, VA 22003 (11)

FOUND: A Golden Opportunity
To place your ad in Auto-Call.
You can have a 2" boxed ad for only $16 per month on a yearly contract.
$22 on a one-time basis.

Skypoint Ham Center
101 E.Holly Ave
Sterling, Va 22170
703-430-5555

* Large inventory of used ham gear available..up to date & vintage!
* Professional service with modest rates and quick turnaround!
* Well stocked inventory of new rigs, station accessories and antenna needs!
* Collins equipment a specialty!
* Estate liquidations and sales welcomed!
* Customer satisfaction a priority!

Vintage Corner

Collins S / Lines
Collins KWM-2A's
Hallicrafters HT-37
Hallicrafters SX-111
Johnson Pacemaker
Johnson 500
Atlas 210x
Atlas 215x
Gonset GSB-101
Gonset GSB-201
Ameco TX-62
NC-188
NC-109
Hammerlund HQ-110A
NCX-3
Eldico S / Line
Lafayette HA-350
Hallicrafters S-120

Many other peices to numerous to list!
Call store for more listings!

MONTHLY FEATURE

NOV 90

Price specials on entire line of Ten-Tec amateur equipment!

Omni V 301 Remote 700C Mic
Paragon 705 Mic 961 P/S
Titan 254 Tuner 238 Tuner
Hercules 253 Auto tuner 9420 Herc P/S
2510B Closet Kilowatt and all accessories!
Mobile antennas and accs encluded in sale!

STORE HOURS:

Tue-Thur..10 - 6
Fri..12 - 9
Sat..9 - 6

MasterCard ACCEPTED VISA

Skypoint Ham Center is located on Route 846 or Sterling Park Blvd. Coming from Dulles on Route 28 north turn right on route 846. Out of Tysons take route 7 towards Leesburg and turn left on 846..Location is Holly Plaza Center. From Winchester and Leesburg take Route 7 to 846..

AUTO-CALL POLICY

PRODUCTION POLICY

Copy for Auto-Call will be accepted in any form - handwritten, typed, compatible computer disk or modem. All hard copy is re-typed to preserve uniformity of style in the magazine. We use Word Perfect 5.1 word processing program, Hayes compatible modem (300 or 1200 baud) and can use either 3½" or 5¼" MS-DOS diskettes.

In determining space requirements, figure 80 12-pitch characters per line and 60 lines per page - including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio. (Copy space is 6¼" wide by 9" high.) Copy can be reduced or enlarged as necessary.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portion of any copy submitted and to make minor changes to make copy fit available space.

SHACK SALES

Deadline for copy is the 5th of the month preceding the publication date. Shack Sales will **NOT** be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the call sign or the full name of the advertiser. If the full address in not included in the ad, we prefer to include the city along with a telephone number so that readers will know whether a long-distance charge is involved. The entire telephone number - including city and state - is counted as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number or group of letter/numbers is counted as one word. Remittance must accompany each ad.

See next column for additional information on advertising. For further information, phone the Auto-Call editor at (703) 536-8469, McLean, VA.

ADVERTISING

SHACK SALES

Non-commercial advertising of Amateur associated equipment is available to subscribers of Auto-Call at 3¢ per word - with a $1.00 minimum. Commercial vendors and non-subscriber rate is 17¢ per word - with a $5.50 minimum.

Special headings or special spacing may be used (e.g., one item per line) but such ads are charged at a column inch rate - $1.00 per column inch for non-commercial ads, $5.50 per inch for commercial vendors and nonsubscribers.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

Display ads are charged according to size and duration of run as shown below. All advertising must be pre-paid for at least the current month.

Rates per Issue

Page	Col.inch	1 Year	6 Times	3 Times	1 Time
Full	18	$75.00	$90.00	$100.00	$105.00
1/2	9	55.00	65.00	71.00	75.00
1/3	6	40.00	46.00	51.00	54.00
1/4	4½	33.00	38.00	41.00	43.00
1/6	3	22.00	26.00	28.00	30.00
1/8	2¼	17.00	20.00	22.00	23.00
1/9	2	16.00	19.00	21.00	22.00
1/18	1	8.50	10.00	11.00	11.50

Based on camera-ready copy.
Extra charges for halftoning photos and for in-house artwork or layout.

Copy must be received by the 5th of the month preceding publication date.
(e.g., Copy for August issue must be received by 5 July)

All Advertising Must be Pre-paid

JOIN ARRL

BENEFITS FOR YOU

QST, QSL Bureau Awards, Low Cost Insurance Operating Aids, Government Liaison and More—Much More!

MEMBERSHIP APPLICATION

Name _____ Call _____

Street _____

City _____ Prov./State _____ PC/ZIP _____

$30 in U.S. $42 elsewhere (U.S funds) Licensed amateurs or age 65 or over, upon submitting proof of age, may request special dues rate of $24 in the U.S. $36 elsewhere in U.S. funds. Persons age 17 and younger may qualify for special rates, write for application.
For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

VISA, MC, AMEX, Discover # _____

Signature _____ Expires _____

The American Radio Relay League

225 Main St. Newington, CT. 06111 USA AUTOCALL

Atlantic Division Director
Hugh Turnbull, W3ABC
6903 Rhode Island Avenue
College Park, MD 20740
Phone: (301) 927-1797

Roanoke Division Director
John Kanode, N4MM
Rt 1, Box 73-A
Boyce, VA 22620
Phone: 703-837-1340

AUTO-CALL Magazine

P.O. Box 7612
Falls Church, VA 22040-1452

Please enter my NEW _____ RENEWAL _____ Subscription to Auto-Call

For 1 Year _____ 2 Years _____
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NOVEMBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 Anne Arundel	2 Shenandoah	3 Mobileers Stafford EXAMS See Page 19
4 ARRL CW SS Nov 3-5	5 Adams County Dept of State	6 Antietam PG Wireless	7 BARC MARC	8 Mt.Vernon No. VA	9 Alexandria SMARC Vienna	10 Stafford EXAMS Anne Arundel Frederick Harrisonburg
11	12 PVRC	13 MADRAS Fauqueir	14 Pentagon - FAR -	15 Anne Arundel QCWA #20	16 RCARA Shenandoah	17 Capital City Tri County Stafford EXAMS Manassas
18 ARRL SSB SS Nov 17-19 EXAMS Baltimore	19 Ole Va Hams SPARC	20 Antietam Arlington Woodbridge	21 BARC Goddard MARC QCWA 137	22	23 Alexandria New Carrollton Vienna	24 Stafford EXAMS Laurel
25 Adventists	26	27 Columbia MADRAS	28 QCWA #20	29	30	31

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